

Alberta User Guide for Waste Managers



August, 1996



Copies of this Guide may be obtained from

Alberta Environmental Protection Air and Water Approval Division Industrial Waste and Wastewater Branch 4th Floor 9820 106 Street Edmonton, Alberta T5K 2J6

Phone 403-427-5883 FAX 403-422-4192

If there is a conflict between this Guide and the Act or Regulations, then the Act or Regulations take precedence. It is the responsibility of waste generators to satisfy themselves as to the proper interpretation, if they are uncertain. Responsibility for waste classification rests with the generator, despite anything in this Guide.

Final responsibility for the contents and views expressed in this document resides with the Industrial Waste and Wastewater Branch.

Phone Numbers



Where to Report Spills (24 hours)

1-800-222-6514

Other important numbers

Air and Water Approvals Division		
Air Emissions Branch	Air and Water Approvals Division	
Alberta Energy and Utilities Board (formerly ERCB)		
Alberta Environmental Protection Library		
Alberta Environmental Protection Library	Alberta Energy and Utilities Board (formerly ERCB)	
Alberta Labour Fire Protection Inspectors Alberta Public Safety Services	Alberta Environmental Protection Library	427-5870
Alberta Public Safety Services		
Alberta Special Waste Management Corp	Alberta Labour Fire Protection Inspectors	
Alberta Special Waste Management Corp	Alberta Public Safety Services	or, 1-800-272-9600
Alberta Used Oil Management Association (AUOMA)	Alberta Special Waste Management Corp	or, 1-800-272-8873
Alberta Waste Materials Exchange 450-5408 Architectural Clearinghouse 479-0079 Atomic Energy Control Board 292-5181 Chemical Referral Centre 1-800-267-6666 Chemicals Assessment and Management Division 427-5837 Action On Waste Branch 422-8466 Groundwater Protection Branch 427-6333 Contaminated Sites and Decommissioning Branch 427-6182 Pesticides Management Branch 427-5855 Commercial Chemicals Evaluations Branch 819-997-1499 Consumer Product Safety (Gov't of Canada) 495-2480 Environment Canada 951-8600 Environmental Resource Centre 433-4808 Environmental Services Association of Alberta 1-800-661-9278 Petroleum Tank Management Association of Alberta 425-8265 Natural Resources Conservation Board 427-6982, or, 1-800-463-6326 Toxic Round-Up 422-5029 Toxic Watch Society of Alberta 433-8711		
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Action On Waste Branch		
Action On Waste Branch	Chemicals Assessment and Management Division	427-5837
Groundwater Protection Branch		
Contaminated Sites and Decommissioning Branch		
Pesticides Management Branch	Contaminated Sites and Decommissioning Branch	427-6182
Consumer Product Safety (Gov't of Canada) 495-2480 Environment Canada 951-8600 Environmental Resource Centre 433-4808 Environmental Services Association of Alberta 1-800-661-9278 Petroleum Tank Management Association of Alberta 425-8265 Natural Resources Conservation Board 422-1977 Recycle Info Line 427-6982, or, 1-800-463-6326 Toxic Round-Up 422-5029 Toxic Watch Society of Alberta 433-8711	· · · · · · · · · · · · · · · · · · ·	
Environment Canada	Commercial Chemicals Evaluations Branch	819-997-1499
Environment Canada	Consumer Product Safety (Gov't of Canada)	495-2480
Environmental Services Association of Alberta		
Petroleum Tank Management Association of Alberta	Environmental Resource Centre	433-4808
Natural Resources Conservation Board	Environmental Services Association of Alberta	1-800-661-9278
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Toxic Round-Up		
Toxic Round-Up	Recycle Info Line 427-6982, o	or, 1-800-463-6326
Toxic Watch Society of Alberta433-8711		
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Questions about this document

427-5883



Alberta User Guide for Waste Managers

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Aberta
ENVIRONMENTAL PROTECTION

How to use this guide

This guide explains Alberta's waste classification procedures and test methods, waste management options, transportation and manifest requirements, and the Alberta Environmental Protection and Enhancement Act (AEPEA) approvals system for waste management.

Introduction		Each part will have a brief introduction.
Part 1	A.	Attempts to answer the most important question for most waste managers, "When is a waste a hazardous waste?" This section provides flowcharts and describes the proper use of the lists, tables and criteria.
	B.	Sets out the test methods which generators should use to figure out whether a waste is a hazardous waste. Other test methods may also b used if the Director of the Chemicals Assessment and Management Division approves.
	C.	Describes the management options available to Albertans for dealing with some specific industrial wastes. Waste management guidelines ar documented.
Part 2		Deals with the transportation of hazardous waste. The use of the manifest and recycle docket are described. The naming of wastes for transportation is discussed. Legal requirements for generators, carriers and receivers are described and application forms for these people ar provided.
Part 3	A. B.	Outlines the Environmental Impact Assessment (EIA) and approvals requirements for waste management facilities. Application forms ar available from the Industrial Waste and Wastewater Branch for storag facilities, treatment and recycling plants, landfills, land treatment facilities, incinerators and miscellaneous waste management facilities. Discusses each section of the Regulation, in order.
Part 4		Schedule of the Alberta User Guide for Waste Managers.

This is a list of hazardous chemicals and substances.



Alberta User Guide For Waste Managers

The Industrial Waste and Wastewater Branch intends to publish and distribute regular updates of th **Alberta User Guide for Waste Managers**. In order to be kept informed of advances in this publication, it is essential that the following information be provided to the Industrial Waste and Wastewater Branch.

NAME	
TITLE AND/OD DEDARTMENT	
TITLE AND/OR DEPARTMENT	
ORGANIZATION	
ADDRESS	
ADDRESS	
	POSTAL CODE

Alberta Environmental Protection Industrial Waste and Wastewater Branch

4th Floor 9820 - 106 Street Edmonton, Alberta T5K 2J6 Phone 403-427-5883 FAX 403-422-4192



Introduction

The Alberta Environmental Protection and Enhancement Act (AEPEA) establishes a broad framework to manage hazardous waste and hazardous recyclables through the Waste Control Regulation, a transportation tracking system, and an approval process for storage, treatment and disposal facilities.

Objectives of this guide

The purpose of the Guide is to provide certainty for waste generators to know what test methods have been prescribed, to provide direction with respect to the interpretation of the Act and Regulations, and to describe the regulatory regime as it related to hazardous waste and hazardous recyclables.

In the event that any provision of this User Guide is found to be invalid, then the remainder of the Guide shall be in full force and effect.

This guide attempts to minimize the costly, analytical tests in waste classification. Extensive lists of hazardous and nonhazardous wastes are provided, in order to eliminate the need for laboratory analysis of these wastes. Also, generators are encouraged to use any available knowledge of their waste to reduce the amount of analysis required in classification. This Guide holds generators responsible for classifying their own waste and for determining if the waste is prohibited from landfilling.

The User Guide will be updated from time to time as new issues arise and are resolved.

Alberta User Guide for Waste Managers
PART 1



Waste Classification, Test Methods and Guidelines





March, 1995



Alberta User Guide for Waste Managers PART 1 – A



Waste Classification

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Alberta User Guide for Waste Managers PART 1 - A



Waste Classification

Who determines which wastes are hazardous?

Waste classification decisions must be made by the waste generator or by a consultant on behalf of the generator. For the purposes of waste classification, Industrial Waste Branch staff members are available only to help in the interpretation of the legislation. The generator or the generator's agent is also responsible for determining if a waste is prohibited fro landfilling.

On what basis are wastes classified?

To figure out if a waste is hazardous, generators may:

- apply their knowledge of the waste; or, if necessary,
- have the waste tested.

Knowledge of the waste may include the generator's understanding of the process which generates the waste, as well as previous test results, and information from similar operations and trade associations. Generators will be held responsible for any compliance action taken against them if th waste is incorrectly classified, regardless of the background information used. Therefore, the generator or the generator's agent should be very careful to evaluate the information, as well as the origin of the waste streams, before classifying a waste. Documentation substantiating waste classification decisions must be kept on the generator's files.

Is a hazardous waste prohibited from landfilling?

Generators may make this determination using any of the sources of information that they would use to classify a waste, as described above.

Step 1

Is the substance a waste?

Figure 1 shows the procedure to be followed in determining whether a waste is hazardous waste. Step 1 is shown in bold type.

What do the abbreviations mean in Figure 1?

ADR means Activities Designation Regulation

WCR means Waste Control Regulation

Table 3 or 4 refers to the Tables in the Schedule to the

Alberta User Guide for Waste Managers

Schedule 1 means Schedule 1 of the Waste Control

Regulation

The first step in Figure 1 - Step 1 is to find out whether the substance of concern is a waste. If the substance is not a waste, it is not regulated under Part 1 of the Waste Control Regulation.

What is a waste?

The Activities Designation Regulation (S.1(3)(m)) defines waste as follows:

"'Waste' means an unwanted substance or mixture of substances and includes refuse and garbage." This is interpreted as meaning unwanted by the generator of the waste

A very broad definition of the word "substance" is provided in S.1 (kkk) of AEPEA: it is, "any matter that is capable of becoming dispersed in the environment, or is capable of becoming transformed into matter that is capable of becoming dispersed in the environment."

What is not a waste?

Substances that are wanted are not called wastes and are not regulated under the Waste Control Regulation. However, these substances are regulated under other legislation by agencies such as local municipalities, local Health Units, and the Energy Resources Conservation Board (ERCB).

Some examples of things which are not wastes (because they are wanted), include:

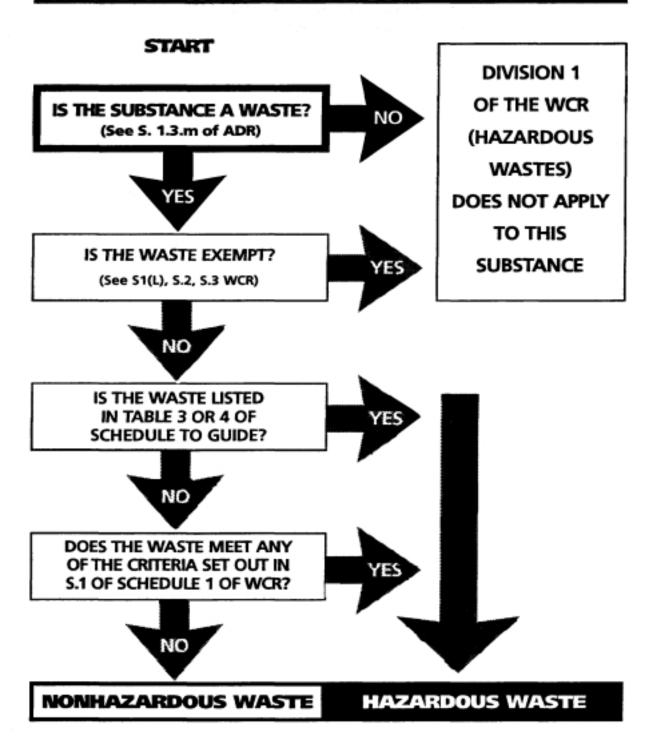
- agents used to suppress road dust;
- fluids used to maintain oil or gas reservoir pressure; and
- soil conditioning agents such as compost.

Hazardous recyclables

A hazardous recyclable is defined in S.1 (z) of AEPEA as "a hazardous waste that is to be recycled".

A special section (Division 2) of the Waste Control Regulation has been written for hazardous recyclables. Division 1 of the Waste Control Regulation (Hazardous Wastes) does not apply to hazardous recyclables. We will talk about this more in Step Two.

WASTE CLASSIFICATION: FIGURE 1 – STEP 1



Step 2 Is the waste excluded?

The second step (shown in Figure 2 - Step 2) is to figure out if the substance is excluded under S.1(L), S.2, or S.3 of th Waste Control Regulation. Mismanagement of these wastes is still subject to the provisions of AEPEA.

Oilfield waste exclusion

Section 1(L) of the regulation defines hazardous waste as "waste described in Schedule 1, but does not include oilfield waste..."

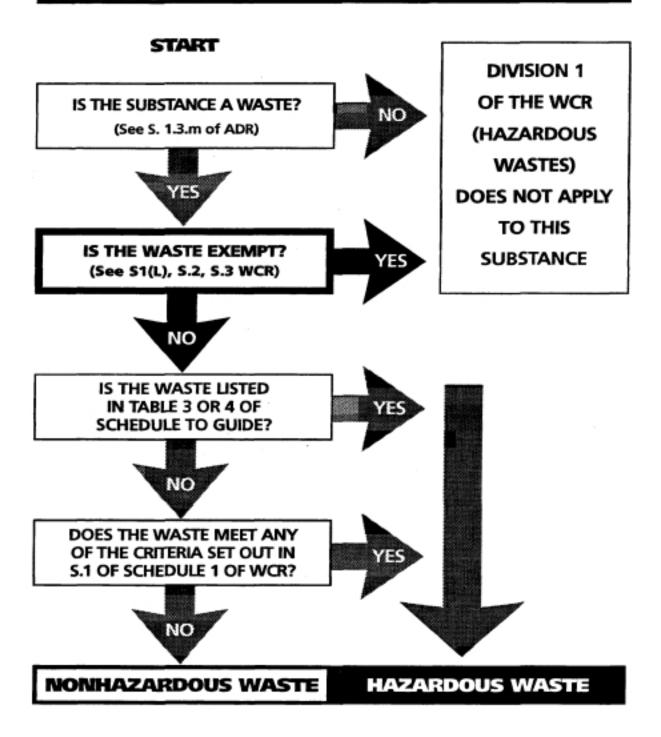
Oilfield waste is defined in S.1(q) as "waste that results from the construction, operation, or reclamation of a well site, oil and gas battery, gas plant, compressor station, crude oil terminal, pipeline, gas gathering system, heavy oil site, oil sands site or related facility".

Therefore, oilfield wastes are not regulated under the Waste Control Regulation. Oilfield wastes, regardless of their properties or chemical composition are regulated only by the Energy Resources Conservation Board (ERCB), (phone 297-3185) in a manner equivalent to the requirements of the Waste Control Regulation.

Oilfield wastes remain oilfield wastes from "cradle-to-grave" and once generated are never regulated under the Waste Control Regulation. However, a cooperative approach may be taken by Alberta Environmental Protection (AEP) and the ERCB with respect to facility inspections and enforcement actions.

Note that the oilfield waste exclusion does not apply to wastes generated at facilities which mine oilsand. The exclusion of oilfield waste (Section 1 (q) of the WCR) refers to wastes generated at "oilsands sites" which are defined in Section 1(r) as "facilities for recovering oil sands by drilling or other in situ recovery methods". Wastes generated at mining oilsands plants are subject to th Waste Control Regulation and must be classified as hazardous or nonhazardous by the generator.

WASTE CLASSIFICATION: FIGURE 2 - STEP 2



Hazardous recyclables

Hazardous recyclables are not regulated as hazardous waste under Division 1 of the Waste Control Regulation. (see S.2 of the WCR) Instead, hazardous recyclables are regulated separately under Division 2 of the Waste Control Regulation.

Other exclusions

In addition, many other wastes are specifically excluded by S.3 of the Wast Control Regulation.

Section 3(a) excludes any amount of household waste, even if it exhibits the properties of hazardous waste, provided the waste is in the possession of the householder or unsegregated in the municipal waste management system. Hazardous material collected from householders during Toxic Roundups is hazardous waste since it has been separated from the municipal waste stream. Household waste being managed in conjunction with a Toxic Roundup by a householder or community group is excluded and does not need a manifest.

Section 3(b) excludes nearly all wastes produced by farmers (the term "farmer" is defined in S.1 (i) of the WCR) provided those wastes were generated in th growing and harvesting of crops or the raising of animals. Hazardous wastes generated by farmers from other operations on the farm site, such as commercial automotive repair or commercial fence post treating, are not excluded. Pesticides and pesticide containers produced by farmers are excluded while in the possession of the farmer or while in a pesticide collection syste which is under the control of a local authority, for example a county, town, or municipal district, or the Alberta Special Waste Management Corporation.

Section 3(c) excludes domestic sewage, including all industrial wastes discharged into the municipal sanitary sewage collection system, provided th discharge has first been approved under a local or municipal sewer bylaw. Edmonton's Sewer Bylaw prohibits the discharge of hazardous waste to the sewer system.

Section 3(d) excludes those radioactive wastes regulated under the Atomic Energy Control Act (Canada). The Atomic Energy Control Board, Ottawa, is responsible for administering the Atomic Energy Control Act. All radioactiv materials used for their radioactive properties, and wastes resulting from the us of these materials, come under the authority of the Atomic Energy Control Act (phone 292-5181 in Calgary).

Section 3(e) excludes wastes generated during emergency spill cleanups, provided a Director or an investigator has authorized the handling of th cleanup debris, either verbally or in writing. This exclusion allows cleanup operations to be completed quickly.

Section 3(f) excludes biomedical wastes as defined in the Public Health Act - Waste Management Regulation, as amended from time to time. These wastes are regulated by the local Health Units and Alberta Health.

Section 3(g) is the "small quantity exclusion". This subsection applies to all wastes except the particularly hazardous ones listed in Table 4 Part B of th Schedule to this Guide. The small quantity exclusion applies to waste amounts of 5 kilograms (or 5 litres) or less.

Section 3(h) excludes all wastes resulting from the treatment of hazardous waste where the treatment employs a method, technique or process that represents acceptable industry practice. The determination of what is an acceptable practice shall be made in writing by the Director. The Director may apply this exclusion to any hazardous waste, including those listed in Table 3 or Table 4 of the Schedule to this Guide, and hazardous wastes which exceed th criteria listed in Section 1 of Schedule 1 to the Waste Control Regulation.

In making this decision the Director will ask questions such as:

- Is the waste generated in small quantities?
- Is the waste produced by a small business?
- Is the waste treated at the site where it is generated?
- Is the waste being treated by the generator?

A list of these acceptable wastes will be maintained and updated in this guide (see next page).

Excluded under	Waste		Generator
Section 3(h) of the	1.	drycleaning filters, steam stripped for at least 8 hours with a sparger	any generator
WCR when		inserted into the cartridge	
treated by an	2.	drained lube oil filters	
acceptable	3.	(additional wastes may be added when they are accepted by the	any generator
industry practice		Director)	
	4.		
	5		

Note 1. Filters produced in the fabric cleaning industry

6.

Waste Type 200 of Table 3 of the Schedule to this Guide lists "spent filters produced in the fabric cleaning industry where an organic solvent is used as the cleaning agent" as hazardous waste. The Director has determined that these filters are not hazardous waste if 99.8% of the solvent originally present in the filter has been removed. Normally, only filters which have been steam-stripped for 8 hours or mor in a steam cabinet, with a sparger inserted into the cartridge, will be deemed nonhazardous.

Note 2. Undrained lube oil filters

Waste Type 201 of Table 3 of the Schedule to this Guide lists "undrained lube oil filters removed from internal combustion engines" as hazardous waste.

To figure out if a filter is an undrained filter, the generator must calculate the draining efficiency (DE) where:

The Director has determined that lube oil filters are not hazardous waste if they ar drained. A drained filter is a used lube oil filter for which the draining efficiency (DE) is greater than 0.5. Normally, filters which have been drained on a rack for 12 hours or longer, or which have been crushed, will be deemed nonhazardous.

No physical or chemical analysis of waste lube oil filters removed from internal combustion engines is required.

Generators may use their previous knowledge of a waste stream to determine if a waste is hazardous or not, as described at the beginning of Part II (see "On What Basis are Wastes Classified?"). It is not necessary to weigh each filter or even every batch of filters.

Note that Waste Type 201 does not include compressor oil or compressor oil filters. These wastes may be excluded as oilfield waste. If not, the generator must figure out if they are hazardous by comparing their properties to the criteria listed in Schedule 1 to the Waste Control Regulation.

What Wastes are not Hazardous Wastes?

In addition to the wastes excluded by the Regulation, th following list of wastes will not be regulated as hazardous waste

Things that are not hazardous waste

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no.	NAME	ТҮРЕ
16	Acetyl benzoyl peroxide	p
23	Acetylene, liquifie	p
24	Acetylene silver nitrate	p
43	Aerosols, containing any quantity of a corrosive gas	p
44	Aerosols, containing any quantity of a poisonous gas	p
141	Aluminum dross, hot	p
168	Ammonium azide	p
174	Ammonium bromate	p
177	Ammonium chlorat	p
179	Ammonium chlorite	p
187	Ammonium fulminate	p
202	Ammonium nitrit	p
205	Ammonium permanganat	p
265	Antimony sulphide and a chlorate, mixtures of	p
300	Arsenic sulphide and a chlorate, mix	p
309	Ascaridole (organic peroxide)	p
311	Azaurolic acid (salt of, dry)	p
312	Azidodithiocarbonic acid	p
313	Azidoethyl nitrate	p
314	Azido guanidin picrate (dry)	p
315	5-Azido-1-hydroxy tetrazole	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR

ITEM no.	NAME	TYPE
316	Azido hydroxy tetrazole (mercury and silver salts)	p
317	3-Azido-1,2-Propylene glycol dinitrate	p
325	Azotetrazole (dry)	p
352	Benzene diazonium chloride	p
353	Benzene diazonium nitrate, dry	p
359	Benzene triozonide	p
376	Benzoxidiazoles (dry)	p
377	Benzoyl azide	p
394	Biphenyl triozonide	p
428	Bromine azide	p
440	4-bromo-1,2-dinitrobenzene (unstable at 59°C)	p
447	1-bromo-3-nitrobenzene (unstable at 56°C)	p
451	Bromosilane	p
461	1,2,4-Butanetriol trinitrate	p
466	tert-Butoxycarbonyl azide	p
546	Cabazide	p
621	Carbon monoxide, refrigerated liquid	p
647	Chlorine azide	p
648	Chlorine dioxide hydrate, frozen	p
649	Chlorine dioxide (not hydrated)	p
736	Cigarettes, self-lighting	p
737	Coal briquettes, hot	p
753	Coke, hot	p
764	Copper acetylide	p
765	Copper amine azide	p
780	Copper tetraamine nitrate	p
843	Cyclobutane	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no.	NAME	ТҮРЕ
871	Cyclotetramethylene tetranitramine (HMX) dry or with less than 15 percent water, by mass, or with less than 18 percent, by mass phlegmatiser	p
872	Cymenes	p
893	p-Diazidobenzen	p
894	Diazidoethane	p
896	1,1 Diazoaminonaphthalene	p
897	Diazoaminotetrazole (dry)	p
898	Diazodinotrophenol	p
899	Diazodiphenylmethane	p
902	Diazonium nitrates (dry)	p
903	Diazonium perchlorates (dry)	p
904	1,3-Diazopropane	p
914	Dibromoacetylen	p
953	N,N-Dichlorazodicarbon amidine (salts of), (dry)	p
957	Dichloroacetylen	p
1015	Diethanol nitrosamine dinitrate (dry)	p
1029	Diethylene glycol dinitrate	p
1031	Diethylgold bromid	p
1050	Di-(hydroxytetrazole) (dry)	p
1051	1,8-Dihydroxy-2,4,5,7-tetranitroanthraquinon	p
1052	Diiododoacetylene	p
1109	Dimethylhexan dihydroperoxide (dry)	p
1122	Di-(1-naphthoxyl) peroxide	p
1128	Dinitro-7,8-dimethylglycoluril (dry)	p
1129	1,3-Dinitro-5,5-dimethyl hydantoin	p
1130	1,3-Dinitro-4,5-dinitrobenzen	p
1131	1,1-Dinitroethane (dry)	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR

ITEM no.	NAME	TYPE
1132	1,1-Dinitroethane	p
1133	1,2-Dinitroglycouril	p
1134	Dinitromethan	p
1138	2,4-Dinitrophenylhydrazine, wetted	p
1139	Dinitropropylene glycol	p
1141	2,4-Dinitroresourcinol (heavy metal salts of) (dry)	p
1142	4,6-Dinitroresourcinol (heavy metal salts of) (dry)	p
1143	3,5-Dinitrosalicylic acid (lead salt), (dry)	p
1144	Dinitrosobenzylamidine and salts of (dry)	p
1147	Dinitrosostilbene	p
1148	1,4-Dinitro-1,1,4,4- tetramethylol butanetetranitrate	p
1152	2,4 Dinitro-1,3,5 trimethylbenzene	p
1154	Di (beta nitroxyethyl) ammonium nitrate	p
1155	a,a-Di-(nitroxy) methyl ethe	p
1156	1.9-Dinitroxy pentamethylene 2,4,6,8 tetramine (dry)	p
1244	Ethanolamine dinitrate	p
1287	Ethylene diamine diperchlorate	p
1293	Ethylene glycol dinitrate	p
1309	Ethyl hydroperoxid	p
1317	Ethyl nitrate	p
1321	Ethyl perchlorate	p
1425	Fulminate of mercury	p
1426	Fulminating gold	p
1427	Fulminating mercury	p
1428	Fulminating platinum	p
1429	Fulminating silver	p
1430	Fulminic acid	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no.	NAME	ТҮРЕ
1438	Galactasan trinatrate	p
1451	Glycerol-1,3 dinitrate	p
1452	Glycero monogluconate trinitrate	p
1453	Glycero monolactate trinitrate	p
1456	Guanyl nitrosamino guanylidene hydrazine (dry)	p
1500	Hexamethylene triperoxid diamine (dry)	p
1501	Hexamethylol benzene hexanitrate	p
1507	Hexanitroazoxy benzene	p
1508	2,2,4,4,6,6-Hexanitro-3,3-dihydroxazobenzene (dry)	p
1509	2,2,3,4,4,6,6-Hexanitrodiphenyl amine	p
1510	2,3,4,4,6,6,-Hexanitrodiphenyl ether	p
1511	N,N-(Hexanitrodiphenyl) ethylene dinitramine (dry)	p
1512	Hexanitrodiphenyl urea	p
1513	Hexanitroethane	p
1514	Hexanitrooxanilid	p
1519	Hydrazine azide	p
1520	Hydrazine chlorate	p
1521	Hydrazine dicarbonic acid diazide	p
1523	Hydrazine perchlorate	p
1524	Hydrazine selenate	p
1556	Hydroxylamine odide	p
1560	Hyponitrous acid	p
1569	Inositol hexanitrate (dry)	p
1573	Inulin trinitrate (dry)	p
1574	Iodine azide (dry)	p
1583	Iodoxy compounds (dry)	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR

ITEM no.	NAME	TYPE
1584	Iridium nitropentamine iridium nitrate	p
1645	Isothiocyanic acid (polymerization hazard)	p
1667	Lead azide	p
1676	Lead mononitroresorcinate (dry)	p
1680	Lead picrate (dry)	p
1683	Lead styphnate (dry)	p
1693	Lighters for cigars, cigarettes, etc. with lighter fluid, or cigarette lighter	p
1727	Magnesium dross (wet or hot)	p
1747	Mannitan tetranitrate	p
1789	Mercurous azide	p
1798	Mercury acetylide	p
1821	Mercury iodide aquabasic ammonobasic (Iodide of Millons base)	p
1824	Mercury nitride	p
1840	Metal salts of methyl nitramine (dry)	p
1848	Methazoic acid	p
1863	Methlamine dinitramine and dry salts thereof	p
1864	Methylamine nitroform	p
1865	Methylamine perchorate (dry)	p
1902	Methylene glycol dinitrate	p
1904	Methyl ethyl ketone peroxide (s) not more than 50 percent in solution, with more than 9 percent available oxygen	p
1912	a-Methylglucoside tetranitrate	p
1913	a-Methylglycerol trinitrate	p
1929	Methyl nitrate	p
1930	Methyl nitite	p
1940	Methyl picric acid (heavy metal salts of)	p
1948	Methyltrimethylol methan trinitrate	p
1978	Naphthalene diozonide	p

2112

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no. **NAME TYPE** 1981 Naphthyl amine perchlorate 2000 Nickel picrate p 2014 Nitrated paper, unstable p 2015 Nitrates of diazonium compounds p 2028 Nitrites, inorganic mixtures with ammonium compounds p 2030 N-Nitroanilin p 2034 m-Nitrobenzene diazonium perchlorate p 2048 6-Nitro-4-diazotoluene 3-sulfonic acid p 2050 Nitroethyl nitrate p 2051 Nitroethylene polymer p 2057 Nitrogen trichoride 2059 Nitrogen triiodide 2060 Nitrogen triiodide monoamine 2064 Nitroglycerine, liquid, not desensitized p 2066 Nitroguanidine nitrate p 2068 1-Nitrohydantoin 2069 Nitroisobutanetriol trinitrate 2070 Nitromannite, (dry) 2072 N-Nitro-N-methylglycolamine nitrate p 2075 m-Nitrophenyldinitromethan p 2076 2-Nitro-2-methyl propanol nitrate p 2079 Nitrosilanes p 2082 **Nitrosugars** 2098 1,7-Octadiene-3,5-diyne-1,8 dimethoxy-9-octadecynoic acid p 2111 Organic peroxide, liquid or Organic peroxide solution p stable, n.o.s.

Organic peroxide, solid, stable, n.o.s.

p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no.	NAME	ТҮРЕ
2113	Organic peroxides, mixture	p
2114	Organic peroxide, samples, n.o.s	p
2115	Organic peroxide, trial quantitie	p
2169	Oxygen difluorid	p
2187	Pentaerythrit	p
2191	Pentanitroaniline (dry)	p
2200	Perchloryl fluorid	p
2269	m-Phenylene diaminediperchlorate (dry)	p
2298	Phosphorus (white or red) and a chlorate mixtures of	p
2313	Phosphorus trifluorid	p
2339	Plastics, nitrocellulose-based, spontaneously combustibl	p
2368	Potassium carbonyl	p
2438	Pyridine perchlorate	p
2446	Quebrachitol pentanitrate	p
2531	Selenium nitrid	p
2536	Self reactive substances (aliphatic azo compounds, aromatic sulphohydrazides, N-nitroso compounds, diazonium salts) samples n.o.s.	p
2537	Self reactive substances (aliphatic azo compounds, aromatic sulphohydrazides, N-nitroso compounds, diazonium salts) trial quantities, n.o.s.	p
2545	Silver acetylid	p
2547	Silver azide (dry)	p
2548	Silver chlorite (dry)	p
2550	Silver fulminate (dry)	p
2552	Silver oxalate (dry)	p
2553	Silver picrate (dry)	p
2633	Sodium picryl peroxide	p

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no.	NAME	ТҮРЕ		
2639	Sodium tetranitride			
2669	Sucrose octanitrate	p		
2672	Sulphur and chlorate, loose mixtures of	p		
2700	Tetraazido benzene quinone	p		
2704	Tetraethylammoniu perchlorate, (dry)	p		
2731	Tetramethylene diperoxid dicarbamide	p		
2734	Tetranitrodiglycerin	p		
2736	2,3,4,6-Tetranitrophenol	p		
2737	2,3,4,6-Tetranitrophenyl methyl nitramine			
2738	2,3,4,6-Tetranitrophenyl nitramine	p		
2739	Tetranitroresourceinal (dry)	p		
2740	2,3,5,6-Tetranitroso-1,4-dinitrobenzen	p		
2741	2,3,4,6-Tetranitroso nitrobenzene (dry)	p		
2743	Tetrazine	p		
2744	Tetrazolyl azide, (dry)	p		
2761	Thorium metal, pyrophoric	p		
2807	Trichloromethyl perchlorate	p		
2830	Triformoxime trinitrate	p		
2850	1,3,5-Trimethyl-2,4,6- trinitrobenzen			
2851	Trimethylene glycol diperchlorate			
2852	Trimethylol nitromethane trinitrate			
2853	Trinitroacetic acid	p		
2854	Trinitroacetonitril	p		
2855	Trinitroamine cobalt			
2857	2,4,6-Trinitro-1,3 diazobenzene	p		
2858	Trinitroethanol	p		
2859	Trinitroethylnitrate	p		
2860	Trinitromethane	p		

The following TDG type "p" wastes are extremely dangerous and may not be transported:

TDGR ITEM no. **TYPE NAME** 2861 1,3,5-Trinitronaphthalene p 2865 2,4,6-Trinitrophenyl guanidine (dry) p 2866 2,4,6-Trinitrophenyl nitramine p 2867 2,4,6-Trinitrophenyl trimethylol methylnitramine trinitrate, p 2868 2,4,6-Trinitroso-3- methyl nitraminoanisole p 2869 Trinitrotetramine cobalt nitrate p 2871 2,4,6-Trinitro-1,3,5,- triazido benzene (dry) p 2872 Tri-(b-nitroxyethyl) ammonium nitrate p 2879 Tris, bis-bifluoramino diethoxy propane TVOPA p 2889 Uranium metal, pyrophoric p 2916 Vinyl nitrate polymer p 3034 p-Xylyl diazide p 3069 Zirconium powder, dry, mechanically, produced, particl p size less than 3 micrometres 3070 Zirconium powder, dry, chemically produced, particle size p

less than 10 micrometres

Things that are		
not hazardous		
waste continue		

TDGR ITEM NO.	NAME
2	Accumulators, pressurized, pneumatic or hydraulic (with nonflammable, nontoxic, noncorrosive gas)
60	Air, compressed
61	Air, refrigerated liquid
62	Air, refrigerated liquid
63	Aircraft evacuation slides, see life saving appliances
64 65	Aircraft hydraulic power unit fuel tank (with a mixture of anhydrous hydrazine and monomethylhydrazine) Aircraft survival kits, see life saving appliances, etc.
66	Aircraft thrust devices for assisted take-off
307	Asbestos, blue
308	Asbestos, white
407	Blue asbestos, see Asbestos blue
408	Bombs, smoke nonexplosive
455	Bush survival kits, see life saving appliances
608	Carbon, see charcoal, etc.
636	Charcoal, activated or carbon, activated
637	Charcoal or carbon, animal or vegetable origin
781	Copra
800	Cotton waste, oily
801	Cotton, wet
1183	DISINFECTANTS, N.O.S., poison liquid
1184	DISINFECTANTS, N.O.S., poison liquid
1185	DISINFECTANTS, N.O.S., poison liquid
1186	DISINFECTANTS, N.O.S., poison liquid
1187	DISINFECTANTS, N.O.S., poison liquid
1232	Engines or motors, internal combustion employing fuel classified as flammabl
1344	Fabrics, see Fibres, etc.
1363	Fibres animal or vegetable, burnt, wet or dam n.o.s.
1364 1370	Fibres or fabrics, animal or vegetable n.o.s. with animal or vegetable oil Fish meal, stabilized or fish scrap stabilized

TDGR ITEM NO.	NAME
1371	Fish meal, unstabilized, or fish scrap, unstabilized
1465	Hay, straw, or bhusa
1563	Infectious substances, affecting humans, n.o.s.
1564	Infectious substances, affecting animals only, n.o.s.
1688	Life rafts, see life saving appliances
1689. 1690	Life saving appliances, not self inflating, containing dangerous goods as equipment Life saving appliances, self inflating
1728	Magnesium fluorosilicate
1954	Mine rescue equipment containing carbon dioxide
1963	Motorized vehicles, see vehicles, self propelled
2176	
2219	Paper, unsaturated oil treated, incompletely dried (including carbon paper) PETROLEUM CRUDE OIL flashpoint less than -18°C
2220	PETROLEUM CRUDE OIL flashpoint less than -18°C
2221	PETROLEUM CRUDE OIL flashpoint not less than -18°C but less than 23°C
2222	PETROLEUM CRUDE OIL flashpoint not less than -18°C but less than 23°C
2223	PETROLEUM CRUDE OIL flashpoint not less than 23°C
2381	Potassiu fluorosilicate
2486	Radioactive material, fissile, n.o.s.
2487 2488	Radioactive material, excepted packages of instruments or articles - Limited quantity of material - Articles manufactured from natural uranium or depleted uranium or natural thorium - Empty packaging Radioactive material
2489	Radioactive material
2490	Radioactive material
2491	Radioactive material, surface contaminated
2499	Refrigerating machines, containing nonflammable nonpoisonous,
2518	noncorrosive, liquified gases Rubber scrap or rubber shoddy, powdered or granulated
2525	Seed cake, mechanically expelled seeds, with more than 15 percent oil and not more than 11 percent moistur

Things that are not hazardous waste continued	TDGR ITEM NO.	NAME
	2526	Seed cake, solvent extracted, with not more than 15 percent oil and not more than 11 percent moistur
	2538	SHALE OIL
	2539	SHALE OIL
	2540	SHALE OIL
	2670	Sulfur, see Sulphur
	2673	Sulphur
	2674	Sulphur, molten
	2688	Survival kits, all types, see life saving appliances, etc.
	2690	TARS, LIQUID. including road oils, bitumen and cut backs, having a flashpoint not less than -18°C but less than 23°C, if regulated by the ERCB
	2691	TARS, LIQUID. including road oils, bitumen and cut backs, having a flashpoint not less than -18°C but less than 23°C, if regulated by the ERCB
	2692	TARS, LIQUID. including road oils, bitumen and cut backs, having a flashpoint not less than 23°C, if regulated by the ERCB
	2745	Textile, waste, wet, n.o.s
	2785	Triallyl borate Tritical and an ana Parling station and asial
	2880 2905	Tritiated water, see Radioactive material, low specific activity (LSA), n.o.s. Vehicles, self-propelled, see also Wheelchairs
	3017	REVOKED
	3018	Wheelchairs, electric, non-spillable battery
	3019	Wheelchairs, electric, spillable battery
	3021	White asbestos, see Asbestos, white, etc.
	3026	Wool waste, wet
	-	alum sludge
	_	asphalt pavement
	_	calcium hydroxid
	_	carbon paper
	-	computer monitors
	-	construction debris
	_	demolition debris (inert)
		,

TDGR ITEM NO.	NAME
-	dessicants (see soil)
-	dry cell batteries
-	ethylene glycol, unused, with a flashpoint greate than 61°C explosives
-	fluorescent light bulbs
-	fly ash waste, bottom ash waste, slag waste or flue gas emission control waste generated from the combustion of domestic waste, coal, wood or other fossil fuels insulation, fiber glass, urethane foam
-	instruments which contained mercury, drained
-	irrigation return flows
-	leather industry waste whose chromium content is exclusively in the trivalent form and which is not otherwise hazardous leather goods, chrome tanned
-	lime, CaO, CaOH2, lime kiln dust, lime treated sludge, and other lime treated wastes which may have a high pH but which are not otherwise hazardous mercury vapour lamps
-	microwave ovens
-	mining overburden returned to a mine site
-	paint cans, empty
-	pesticides listed in Schedule 3 or Schedule 4 of the Pesticide (Ministerial) Regulation or containers which held these pesticides pesticides listed on Schedule 1 or Schedule 2 of the Pesticide (Ministerial) Regulation or containers which held these pesticides, while in possession of the generator or while being transported to or managed within a collection system that is controlled by a local authority or the Alberta Special Waste Management Corporation phosphogypsum sludges
-	printing inks, canola oil-based
-	rubber tires

sawdust

scrap metal

Things that are not hazardous	TDGR ITEM NO.	NAME
waste continued	-	seed, treated with pesticide, which is managed in accordance with S.31(2) and (3) of the Pesticide Sales, Handling, Use and Application Regulation smoke detectors (if greater than .1µ Curies or 3.7 kBq, call th Atomic Energy Control Board 292-5181 in Calgary) sodium vapour lamps
	-	soil, sorbents, dessicants contaminated only with fuels such as; gasoline, kerosene, diesel, aviation fuel, fuel oil or crude petroleum hydrocarbons and having a flashpoint >61°C when tested according to the Guideline for Handling and Disposal of Petroleum Hydrocarbon-Contaminated Soil. sorbents (see soil)
	-	sulphur-contaminated soil
	-	tailings pond sludge at mining oilsand plants
	-	television sets
	-	varsol, unused with flashpoint >61°C
	-	wood, treated with wood preservatives or wood protection products registered under the Pest Control Products Act (Canada) wood ash

Step 3

Is the waste listed in Table 3 or Table 4?

The third step (shown in Figure 3 - Step 3) is to find out if th waste is listed in Table 3 or Table 4 of the Schedule to this Guide.

These tables are provided to reduce the amount of analytical test work required in waste classification. There is no need for a generator to analyze a waste if a written description of the waste appears in Table 3 or Table 4. These wastes are presumed to be hazardous and the generator will normally classify these wastes as hazardous. However, in certai situations, the generator may argue that his wastes are not the same as those listed in Table 3 or Table 4. These situations are described in the following sections.

Containers which held wastes listed in Table 3 or Table 4 are also discussed in Step 3.

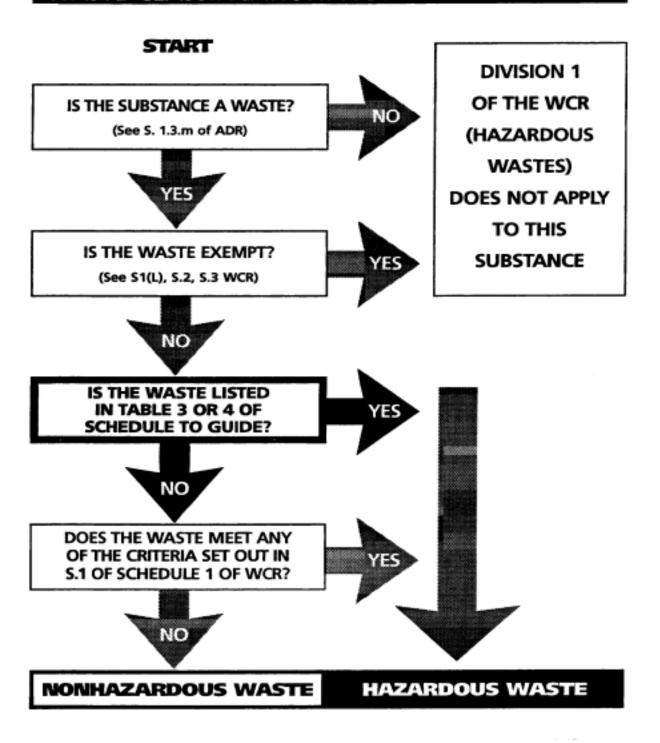
What if I think my waste is not the same as that described in Table 3? In this case you are allowed to prove that the waste is not the same as the waste listed in Table 3. To do this you should proceed to Step 4 and analyze or use your knowledge of the waste regarding all of the criteria listed in S.1 of Schedule 1 to th WCR. It is logical to begin testing by looking for the hazardous property associated with the classification number in Table 3 since the waste is most likely to fail th test for this property.

In this way you may prove that the waste is not the same as the waste listed in Table 3 and, if no hazardous properties are found, the waste is nonhazardous.

The results of these tests and deliberations should be retained by the generator but should not be sent to the Industrial Wastes Branch.

Note that this paragraph does not refer to Table 4, which is addressed later.

WASTE CLASSIFICATION: FIGURE 3 – STEP 3



When is a waste deemed to be listed in Table 4?

A waste is deemed to be listed in Table 4 when the following conditions are met

• the waste is listed in Column I of Table 4 of the Schedule to this Guide; and

the waste is one or more of the following;

- a discarded chemical substance which is manufactured or formulated for commercial or manufacturing use including the commercially pure grade of the chemical,
- an off-specification product or chemical,
- any technical grade of the chemical that is produced or marketed and all formulations of it in which the chemical is the sole active ingredient, and/or
- a waste which is a mixture consisting solely of chemicals listed in Table 4.

Table 4 does NOT refer to the following which must be classified by comparing them to the hazardous waste criteria:

- a waste produced during the manufacture of any of the chemicals listed in this Table;
- a waste produced during the use of any of the chemicals listed in this Table; or
- wastes which are mixtures of one or more chemicals listed in the Table and any amount of inert substance(s) such as water, soil and sand.

Note that Table 4 includes both Table 4(a) and Table 4(b).

What do the waste classification numbers in Table 4 mean?

The waste classification numbers in Table 4 are provided only for use in completing the manifest form. Again, no analytical testing is required for substances which match the written description given in Column I of Table 4. In general, these wastes are hazardous and no analytical work is required. Two exceptions to this rule are noted below.

What if an offspecification commercial product no longer appears to exhibit the hazardous property listed in Table 4? For off-specification products, you are allowed to prove that the waste does not hav the hazardous properties listed in Table 4. To do this you should proceed to Step 4 and analyze or use your knowledge of the waste regarding all of the criteria listed in S.1 of Schedule 1 to the WCR. It is logical to begin testing by looking for the hazardous property associated with the classification number in Table 4 since th waste is most likely to fail the test for this property.

In this way you may prove that the waste is not the same as the waste listed in Table 4 and, if no hazardous properties are found, the waste is nonhazardous.

This strategy does not apply to discarded commercial products, technical grades of chemicals or mixtures of chemicals listed in Tabl 4. These are hazardous if they meet the written description given in Column I of Table 4.

The results of these tests and deliberations should be retained by the generator but should not be sent to the Industrial Wastes Branch.

What if my generic (n.o.s.) waste is described in Table 4 but doesn't exhibit the hazardous property listed?

Some wastes, for example, compressed or liquified gases, flammable, n.o.s., are listed generically in Table 4. For these generically listed wastes, you are allowed to prov that the waste is not the same as the waste listed in Table 4. To do this you should proceed to Step 4 and analyze or use your knowledge of the waste regarding all of th criteria listed in S.1 of Schedule 1 to the WCR. It is logical to begin testing by looking for the hazardous property associated with the classification number in Tabl 4 since the waste is most likely to fail the test for this property.

In this way you may prove that the waste is not the same as the waste listed in Table 4 and, if no hazardous properties are found, the waste is nonhazardous.

The results of these tests and deliberations should be retained by the generator but should not be sent to the Industrial Wastes Branch.

What about other wastes in Table 4?

You do not have to analyze a discarded commercial product, a technical grade of a chemical, or a mixture of chemicals. These substances are hazardous if they meet th written description given in Column I of Table 4.

What about enforcement?

The Department may deem a waste to be listed in Table 3 or Table 4, based only on the waste matching the written description given in Table 3 or Table 4. The waste would then be considered hazardous waste. However, if there is written documentation of th generator's classification procedure and a classification certificate showing that the wast is not listed in Table 3 or Table 4, then the Department must consider this information.

For enforcement purposes the Department may also accept the generator's opinion that the waste is hazardous.

What about containers which held wastes listed in Table 4?

The generator must also classify these containers as hazardous or nonhazardous waste based on the rules set out in Section 2(c), (d), (f), and (g) of Schedule 1 to the Wast Control Regulation.

Basically, containers which held substances listed in Table 4(a) need only to be empty as defined in Section 1(h) of the Waste Control Regulation to be considered nonhazardous.

1(h) "empty container" means a container that contains less than 2.5 centimetres of residue at the bottom of the container or less than 3% of the original contents, whichever is the lesser amount.

Containers which held wastes listed in Table 4(b) must be triple rinsed as described in Section 1(u) of the Waste Control Regulation in order to be rendered nonhazardous.

- 1(u) "unrinsed empty container" means an empty container that previously held a hazardous waste;
 - (i) that has not been rinsed 3 times using for each rinse a clean solvent that is in an amount equal to 10% of the container volume and that is capable of removing the previously contained hazardous waste, or
 - (ii) that, in the opinion of the Director, has been rinsed or cleaned by a method that does not produce results equal to or better than those produced by the method set out in subclause (i).

Are bags containers?

Empty bags, including empty pesticide bags, are not considered to be containers and they do not need to be rinsed. They are not hazardous waste.

This exemption does not apply to bags which are specifically listed in Table 3 or Table 4. These bags are hazardous waste but may be rendered nonhazardous by rinsing.

Step 4

Does the waste meet the criteria of schedule 1 of the waste control regulation?

There is no need for the generator to proceed to Step 4 if the waste has been classified as hazardous waste during Step 3. However, wastes to which Table 3 or Table 4 do not apply must initially be classified based on a comparison of the properties exhibited by the waste to all of the criteria listed i Section 1 of Schedule 1 to the Waste Control Regulation (see Figure 4 - Step 4 on the next page).

Wastes must be completely classified

Generators must completely classify their waste. For example, if tests show that a waste has a flashpoint below -18°C the waste falls into class 3.1. However, this is not the end of the classification procedure. The generator must also determine, based on his knowledge or the results of analytical tests, whether the waste exhibits any other hazardous characteristics described in Section 1 of Schedule 1 to the Regulation. A table of precedence of classification is provided in Part II of this Guide to assist in naming hazardous wastes which exhibit more than one hazardous characteristic.

Which analytical tests should be used?

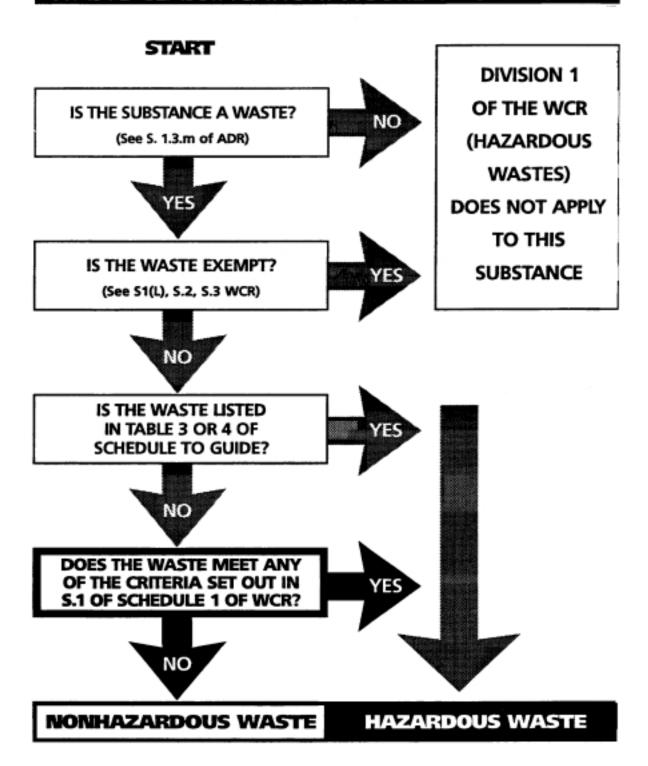
The criteria used in Step 4 of the waste classification procedure and the associated test methods are discussed in the next section, Part IB - Test Methods. The test methods and criteria are discussed in the same order as they occur in the Waste Control Regulation.

Part IB also specifies the test methods used to determine if a waste is prohibited from landfilling in Alberta, as set out in Section 14 of the Regulation.

Use of the generator's or analyst's knowledge in classification

Generators may have the waste tested or apply their knowledge of the waste to determine if a waste is hazardous or to reduce the number of tests conducted. Knowledge gained during the application of standard analytical techniques in th identification of unknown substances may also be used to reduce the number of additional tests required or parameters analyzed.

WASTE CLASSIFICATION: FIGURE 4 - STEP 4



Records

Waste Classification Certificate

At the end of the waste classification procedure, generators should make a written record of their final waste classificatio decisions. A copy of these records should be retained by the generator.

Certificate

A convenient Waste Classification Certificate is provided for this purpose (see the next page). The suggested format may be altered to suit the generator's needs. Completion of the certificate by the generator is intended to lessen the concerns of th waste carrier and receiver.

WASTE CLASSIFICATION CERTIFICATE



Ι, _	l, holding the professional registration or				
tec	chnical certification (if any) of			in the	
Pr	ovince of	, make the following certification:			
1.	Based on a program of representative	ve sampling and analysis (attached or	not attached) the	
	waste in question described or ider	ntified as		is	
	classified in accordance with Alber	ta's Waste Control Regulati	on as:		
•	nonhazardous solid or liq	uid waste suitable for dispo	sal at a sanita	ry landfill;	
•	hazardous solid or liquid	waste suitable for disposal a	at a landfill ap	oproved to accept	
	such waste; or				
•	waste which is prohibited fro	m disposal in all landfills in	Alberta unde	r Section 14 of the	
	Waste Control Regulation.				
2.	I have reached the above conclusio	n independently and I do no	t stand to pro	fit in any way b	
	identifying the waste as belonging	to the above category relative	e to any othe	er category.	
3.	I recognize that the landfill operator	r's or the accepting agency's	authorizatio	n may be required	
	prior to disposal.				
D۵	ATE:19	SIGNATURE:			
CT.	AMD OD SEAL (if ony)				



Example 1 Waste Classification

Acknowledgement

The following real life example has been kindly provided by an industrial operator. This example illustrates the proper use of the tables in the Schedule to this Guide, the generator's knowledge, and the results of analytical tests in classifying a waste.

Scenario

The ethylene glycol solution for the pulp machine boiler had been accidently diluted from a 50/50 glycol water mixture to a 22/78 mixture when plant personnel mistakenly added filtered river water to the cooling system to make up for evaporation losses.

The ethylene glycol solution is now too weak to perform as a coolant and must b replaced. Is the weakened ethylene glycol solution a hazardous waste?

Procedure

Step 1
Is the substance a waste?
(See Figure 1)

Yes, the substance is a waste. It has no further use and cannot be practically recycled. It is an unwanted substance.

Step 2
Is the waste
Excluded?
See Figure 2)

The waste is not specifically excluded by the Waste Control Regulation. It is not an oilfield waste, it is not going to be recycled, nor is it household waste, farm waste, domestic sewage, radioactive waste, an emergency spill clean-up, a biological waste, or less than 5 litres in volume. Nor is it a hazardous waste treatment residue from a process deemed by the Director to be an acceptable industry practice.

The User Guide lists as excluded:

- ethylene glycol, unused, with a flashpoint greate than 61°C not expected to exhibit hazardous properties

However, this waste is not unused glycol. Therefore, the waste is not excluded.

Step 3
Is the waste listed in Table 3 or Table 4 of the Schedule to the User Guide?
(See Figure 3)

Table 3

Table 3 lists "Waste Type 202 - (spent glycol solutions removed from cooling systems that employ heat exchangers which were fabricated using an alloy containing lead as an adhesive)". This does not apply to this situation since no lead is used as an adhesive.

Table 4

As noted in the User Guide, Table 4 does not refer to chemicals listed in Table 4 if they are mixed with inerts. There is no need to check the Table since the wast is mixed with an inert; that is, water.

Containers

The waste is not an empty container or in a container.

Step 4
Does the waste
meet any of the
criteria set out in
Section 1 of
Schedule 1 of the
Waste Control
Regulation?
(See Figure 4)

- a) First, the waste is subjected to the Paint Filter Liquids test and is determined to be a liquid. It is therefore in a dispersible form.
- b) Does the waste have a flashpoint <61°C?

No, the MSDS sheet provides an ASTM D93 flashpoint of 126.7°C for the pure solution and this waste has been diluted with water which will further elevate the flashpoint.

- c) Does the waste ignite and propagate combustion in a test sample?
 - The test method associated with this criterion applies only to solid waste.
- d) Does the waste contribute oxygen for combustion at a rate that is equal to or greater than that provided by ammonium persulphate, potassium perchlorate or potassium bromate?

Again, the test method associated with this criterion applies only to solid waste.

e) Is the waste toxic?

The text <u>Dangerous Properties of Industrial Materials</u> Sax (1984), gives the oral rat LD50 for ethylene glycol as 8540 mg/kg. This is not a toxic level. In addition, the waste has been diluted with water. No dermal or inhalation toxicity's are listed.

f) Is the pH less than 2 or greater than 12.5?

No, the measured pH is about 8.75 units.

g) Does the waste contain PCBs over 50 mg/kg?

Extremely unlikely. The MSDS sheet does not list PCB as an ingredient, the waste has been (and still is) contained in a closed system, and th plant was constructed long after PCBs ceased to be manufactured.

h) Does the waste contain Table 1 substances greater than 100 mg/l?

No, none of the Table 1 substances are listed on the MSDS sheet for the product. The waste is contained in a closed system to which the only addition has been clean unchlorinated water.

i) Does the waste contain Table 2 substances greater than the applicable regulatory level?

No, none of the Table 2 substances are listed on the MSDS sheet for the product. The waste is contained in a closed system to which the only addition has been clean unchlorinated water. Any iron present would not be derived from the listed compounds.

j) Does the waste contain dioxin or furan in excess of 0.001 mg/l?

No, dioxin and furan are not listed on the MSDS sheet for the product. The waste is contained in a closed system to which the only addition has been clean unchlorinated water.

Note that sections (g), (h), (i), (j) rely on the generator's knowledge of the waste. There is no reason to expect any of the substances referred to in these sections to be present.

Conclusion

This waste is not hazardous waste.

Alberta User Guide for Waste Managers Part 1 - B



Compilation of Test Methods

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What are Liquids and Solids?	
What is a Dispersible Form?	
Test Methods for Schedule 1 WCR (Section-by-Section)	
Test Methods for Section 14 WCR (Section-by-Section)	
General Sampling and Analytical Methods	
Summary Table of Recommended Test Methods	



Alberta User Guide for Waste Managers Part 1 - B



Compilation of Test Methods

Acknowledgements

The Industrial Wastes Branch would like to thank the staff of Agat Laboratories, Chemex Labs Alberta Inc. and Enviro-Test Laboratories for their help in reviewing this section.

Introduction

Various sections of the Waste Control Regulation require analytical tests to be conducted. Part IB specifies the analytical test methods which are acceptable to the Director and which may be used

• to identify solids, liquids and dispensable forms, or,

in conjunction with the criteria set out in:

- Section 1 of Schedule 1 to the Waste Control Regulation; and
- Section 14 of Waste Control Regulation Landfill Prohibitions.

Any other test methods deemed acceptable, in writing, by the Director may also be used.

What are liquids and solids for the purposes of the Regulation?

Liquids for the purposes of the Waste Control Regulation are substances that contain free liquids as determined by <u>US EPA Method 9095 Paint Filter Liquids Test</u>, <u>Test Methods for Evaluating Solid Wastes - Physical/Chemical Methods (EPA Publication No. SW-846)</u>. The Third Edition of SW-846 and its Revision 1 are available from:

Government Printing Offic Superintendent of Documents Washington, DC 20402 Phone (202)-783-3238 document number 955-001-00000-1

or, a copy is available in the reference section of the Alberta Environmental Protection Library (427-5870).

Solids for the purposes of this Regulation are substances that do not contain free liquids as determined by the above test method.

This test should be conducted on wastes such as sludges and viscous liquids which are not readily defined as solids or liquids under normal conditions of temperature and pressure. This test is also applicable to wastes which appear solid but which are suspected of having an entrained liquid phase (eg. absorbent materials used in spill cleanups).

What are liquids and solids for the purposes of the TCLP test?

For the purposes of the Toxicity Characteristic Leaching Procedure (TCLP) test, liquids and solids are defined by the TCLP test method itself. For example, some viscous wastes such as oily wastes and some paint wastes will contain some material that looks like a liquid. However, even after applying pressure filtration, you may find that this material does not pass through the filtration device. If this is the case, you should carry this material through the TCLP extraction procedure as a solid.

What is a dispersible form?

Section 1(f) of the Waste Control Regulation defines "dispersible form" based on the following test methods:

- a liquid (based on the filtration step in the TCLP test);
- a solid that can pass through a 9.5 mm mesh opening; or
- a friable solid that can be reduced by grinding in a mortar and pestle to a particle size that can pass through a 9.5 mm mesh opening.

A dispersible form may also be a mixture of the above categories.

PCB wastes, other than PCB equipment, need to be analyzed for PCB, only when the wastes are in a dispersible form.

• If in a dispersible form, PCB wastes are hazardous if their total (not leachable) concentration is over the limit of 50 mg/kg set out inWaste Control Regulation Schedule 1-1(f).

Also, the classification of wastes based on their leachable constituents depends first on whether these wastes are in a dispersible form.

• If in a dispersible form, the wastes listed in Schedule 1-1(g) to the Waste Control Regulation are subject to the Toxicity Characteristic Leaching Procedure (TCLP-US EPA 40 CFR261 Appendix II Method 1311). They are hazardous if the leachat contains substances in excess of the limits set out in Schedule 1 Section 1(g) of the Waste Control Regulation.

If these wastes are not in a dispersible form, then they are not subject to testing under Sections 1(f) or 1(g) of Schedule 1 of the Regulation.

Dispersible forms – what about friable wastes?

If friable, the solid portion of the waste should be prepared for extraction by crushing, cutting or grinding the waste to a particle size that can pass through a 9.5 mm opening. A mortar and pestle may be used in these grinding operations.

Dispersible forms - what about sludges?

The TCLP test procedure summarizes the separate methods for wastes containing less than 0.5 percent solids and wastes containing greater than or equal to 0.5 percent solids. If the original waste contained <0.5% dry solids this filtrate is defined as the TCLP extract and is analyzed directly.

Dispersible forms - what about filamentous wastes?

Section 7.1.3 of the TCLP procedure states that particle size reduction is not required prior to the TCLP test, if the solid has a surface area per gram of material equal to or greater than 3.1 cm2.

Surface area criteria are meant for filamentous waste materials such as filter papers and cloth. These are known to have a surface area greater than 3.1 cm2/gram and are considered to be dispersible forms. There is no need to grind them prior to the TCLP test. Actual measurement of surface area is not required, nor is it recommended. Such methodology is not currently available.

Dispersible forms - what about monolithic wastes?

The Structural Integrity Procedure is required prior to grinding some samples, such as monolithic wastes, which are expected to maintain their structural integrity in a landfill (eg. some slags, and stabilized, solidified or treated wastes).

The Structural Integrity Procedure is given on pages 173 to 179 (see sections 3.1, 3.9, 7.2.1 and 7.3) of th <u>Interim Compilation of Test Methods Under th Transportation of Dangerous Goods Regulation</u>. This document is available from the Industrial Wastes Branch at 427-5847. The procedure is also outlined in <u>Step 6 of the Leachate Extraction Procedure Part 1 Schedule 4 of the Special Waste Regulation British Columbia Regulation 63/88.</u>

Following the Structural Integrity Procedure the waste should be ground by hand in a mortar and pestle to determine if it can be reduced to a particle size which can pass through a 9.5 mm mesh opening (and is therefore a dispersible for subject to the leachate test).

Dispersible forms – what about crystalline materials?

The waste should be ground in a mortar and pestle to determine if it can be reduced to a particle size which can pass through a 9.5 mm mesh opening.

Omit the Structural Integrity Procedure for crystalline materials.

Dispersible forms - what about wastes which are irreducible?

Both particle size reduction methods may be omitted for wastes with known high structural integrity, which obviously cannot be reduced to dispersible forms. These wastes are not subject to the TCLP.

Dispersible forms - what about wastes that contain volatile compounds?

If the solids are prepared for organic volatiles extraction, special precautions must be taken so that the volatiles are not lost. (see 6.5, 7.3 of TCLP procedure).

Dispersible forms - what about viscous wastes?

Viscous wastes, such as some heavy oils and some paints may be retained by the filtration device even after pressure is applied. The retained material is considered to be a solid for the puposes of the TCLP test. They are dispersibl forms. The Structural Integrity Test may be omitted. There is no need to pass this material through a 9.5 mm mesh opening.

Note: the US EPA TCLP Hotline phone number is 703-821-4789.

What is the scope and application of the TCLP test method?

The following is taken from the TCLP test procedure:

The TCLP is designed to determine the mobility of both organic and inorganic analytes present in liquid, solid, and multiphasic wastes.

If a total analysis of the waste demonstrates that individual analytes are not present in the waste, or that they are present but at such low concentrations that the appropriate regulatory levels could not possibly be exceeded, the TCLP need not be run.

If an analysis of any one of the liquid fractions of the TCLP extract indicates that a regulated compound is present at such high concentrations that, even after accounting for dilution from the other fractions of the extract, the concentration would be equal to or above the regulatory level for that compound, then the waste is hazardous and it is not necessary to analyze the remaining fractions of th extract.

If an analysis of extract obtained using a bottle extractor shows that th concentration of any regulated volatil analyte equals or exceeds the regulatory level for that compound, then the waste is hazardous and extraction using the zero headspace extractor (ZHE) is not necessary. However, extract from a bottl extractor cannot be used to demonstrate that the concentration of volatil compounds is below the regulatory level.

Note: the US EPA TCLP Hotline phone number is 703-821-4789.

What about ammonia?

The leachate criterion of 100 mg/L for ammonia (see Table 2 of the Schedule to the User Guide) includes all ammonia generated during the TCLP test procedur even from nonhazardous nitrogen compounds. The leachate test has been designed to mimic the acidic conditions in a landfill, therefore the point of regulation occurs after the acidification step in the test procedure.

Schedule 1 Section-by-Section

The test methods associated with the various sections of Schedule 1 of the Waste Control Regulation are described, in order, below.

Section 1(a) flashpoint <61°C waste

Waste Control Regulation Schedule 1 waste with a flash point of less than 61°C.

These wastes may be either flammable liquids or flammable solids. The definition of liquids and solids is given above.

Section 1(a) flashpoint <61°C liquid waste

Waste Control Regulation Schedule 1 liquid waste with a flash point of less than 61°C.

The test for the flash point of a flammable liquid can be carried out by the following methods, depending on the viscosity of the liquid waste.

The kinematic viscosity may be determined by:

- the <u>Standard Test Method for Viscosity of Paints, Varnishes and Lacquers by Ford Viscosity Cup</u>, ASTM D1200-82; or
- the test <u>Paints and Varnishes Determination of Flow Cups</u>, ISO 2431-80 as amended in 1981.

Once the kinematic viscosity has been determined, the following methods may be used to determine the flash point.

- For a liquid having a kinematic viscosity of less than 5.8 cSt (5.8 mm2/s, 45 S.U.S.) at 37.8°C, use the Standard Test Method for Flash Point by Tag Closed Tester, ASTM D56-79.
- For a liquid having a kinematic viscosity of not less than 5.8 cSt (5.8 mm2/s, 45 S.U.S.) at 37.8°C, use the Standard Test Methods for Flash Point by Pensky-Martens Closed Tester, ASTM D93-80.
- For an aviation turbine fuel, use the Standard Test Methods for Flash Point by Setaflash Closed Tester, ASTM D3828-81.
- For a paint, enamel, lacquer, varnish or similar product having a flash point of between 0°C and 110°C and a viscosity of less than 150 stokes (15000 mm2/s) at 25°C determined in accordance with the Standard Test Methods for Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity) ASTM D445-79, use the Standard Test Methods for Flash Point of Liquids by Setaflash Closed Tester, ASTM D3278-82.

Liquid wastes meeting these criteria are called flammable liquids and are included in the following classes:

- 3.1 if they have a flash point less than -18°C;
- 3.2 if they have a flash point not less than -18°C but less than 23°C; and
- 3.3 if they have a flash point not less than 23°C but less than 61°C.

Section 1(a) flashpoint <61°C solid waste

Waste Control Regulation Schedule 1 solid waste with a flash point of less than 61°C.

Although the flash point is normally used to determine the flammability of liquids, it may also be used to classify solid materials contaminated with flammable liquids.

The suggested test method for solids contaminated with flammable liquids is ASTM D93-80, but disconnect the stirrer and then run the procedure as specified in the test. Another recommended test method is EPA Method 1010. Solid wastes meeting these criteria are included in Class 4 and are called flammable solids.

Section 1(b) combustible waste

Waste Control Regulation Schedule 1 waste which ignites and propagate combustion in a test sample.

This section applies to solid wastes that can spontaneously combust through friction, absorption of moisture, or spontaneous chemical changes. When ignited, these solids burn so vigorously and persistently that they may create a hazard.

There are two types of solids described by Section 1(b), the readily combustibl solids and the spontaneously combustible solids.

Test methods have been proposed for readily combustible solids, in the TDGR Interim Compilation of Test Methods: Readily Combustible Burn Test, and Burning Rate Test.

Solid wastes meeting these criteria are called flammable solids and are included in Class 4.1.

Test methods have been proposed for spontaneously combustible solids in th TDGR Interim Compilation of Test Methods: Test for Pyrophoric Substances, and the Test for Self Heating Substances.

Wastes meeting these criteria are called flammable solids and are included in Class 4.2. These wastes are also referred to in the landfill prohibitions. (Section 14.2 (d)).

No test method is available for substances that, on contact with water, emit flammable gases (TDGR class 4.3).

Section 1(c) combustible waste

Waste Control Regulation Schedule 1 waste which contributes oxygen for combustion at a rate that is equal to or greater than that provided by ammoniu persulphate, potassiu perchlorate, or potassium bromate.

This section is limited to solids. The basis of this test is a comparison between the test substance and three reference substances with regard to their ability to increase th burning rate or burning intensity of a combustible solid.

Test methods have been proposed for solid oxidizing substances in th Compilation of Test Methods: Test for Solid Oxidizing Substances.

Wastes meeting these criteria are called oxidizing substances and are included in Class 5.

No test method is available for liquid oxidizers.

Section 1(d) toxic waste

Waste Control Regulation Schedule 1 waste which is toxic because it:

- has an oral toxicity LD50 not greater than 5000 mg/kg;
- has a dermal toxicity LD50 not greater than 1000 mg/kg; or
- has an inhalation toxicity LC50 not greater than 10,000 mg/m3 at normal atmospheric pressure.

These acute toxicity requirements are significantly more restrictive than their predecessors found in the Hazardous Waste Regulation 505/87, which has now been rescinded.

What are LD₅₀ and LC₅₀?

The term "LD₅₀" is the "lethal dose" of a substance which is expected to cause the death of 50 percent of an experimental animal population. In this Guide the toxicity values refer to tests conducted on rats. The units of the LD₅₀ are mg/kg which refers to the milligrams of a substance administered per kilogram of rat body weight.

A substance with a small LD_{50} is more toxic than a substance with a larger LD_{50} . For example, sodium chloride (oral rat $LD_{50} = 3000$ mg/kg) is more toxic than the polychlorinated biphenyl-Aroclor 1262 which has an oral rat $LD_{50} = 11,300$ mg/kg.

The term "LC₅₀" is the "lethal concentration" of a substance in air, exposure to which for a specified length of time is expected to cause the death of 50 percent of an experimental animal population. The units of the LC $_{50}$ are mg/m3 which refers to the milligrams of a substance in a cubic meter of air.

Basis for classifying toxic hazardous waste

Wastes for which toxicological data:

- are not readily available to the generator (for example, through th generator's own research); or
- have not been published in any of the following references (see next page),

are not considered to be hazardous waste by reason of their toxicity, under Section 1(d) of Schedule 1 of the Regulation.

Also, wastes whose toxic constituents are not listed in Table 4 of the Schedule of th Alberta User Guide for Waste Managers, are not considered to be hazardous wastes by reason of their toxicity, under Section 1(d) of Schedule 1 of the Regulation.

For example, sodium chloride (table salt) is not listed in Table 4 and is therefore not considered to be hazardous waste under Section 1(d) of Schedule 1 of the Regulation, even though it has an LD50 of less than 5000 mg/kg.

But isn't Table 4 applied only to discarded commercial products?

Normally, yes, BUT it is also used here for the purpose of determining which wastes are hazardous under Section 1(d) of Schedule 1 of the Regulation.

References

• Registry of Toxic Effects of Chemical Substances (RTECS), U.S. National Institute of Occupational Safety and Health (NIOSH). The information is updated quarterly and is available in microfiche format in the library of Alberta Environmental Protection (phone 427-5870) or from:

Registry of Toxic Effects of Chemical Substances U.S. Department of Health and Human Services Public Health Servic Centers for Disease Control National Institute for Occupational Safety and Health Cincinnati, Ohio 45226

This registry is also available at university and public libraries and as an online computer search system. Call 1-513-533-8287 in Cincinnati for information on database access.

- Sax, N. Irving, and Lewis, Richard J., Dangerous Properties of Industrial Materials, Van Nostrand Reinhold Company, New York, Eighth Edition, 1992 (or later edition).
- US Department of Health & Human Services, Toxicological Profiles (various), Public Health Service, Agency for Toxic Substances and Disease Registry.

These toxicological profiles are available from the Alberta Environmental Protection Library (427-4870) or from:

Agency for Toxic Substances and Disease Registry Division of Toxicology Mail Stop E-29 Atlanta, Georgia 30333 phone 404-639-6300 to order

• Other data made available by Alberta Environmental Protection.

Determination of LD₅₀ value of a toxic misture or solution

The generator is required to calculate the toxicity of waste mixtures or solutions containing one or more substances identified in the above references. The toxicit may be calculated according to the following equations:

• if the waste is a mixture or solution containing only one toxic substance:

$$LD_{50}$$
 Value = LD_{50} of toxic substance X 100 (a) of the waste percentage of toxic substance by mass

- if the waste is a mixture or solution containing more than one toxic substance:
 - (i) the LD_{50} of each toxic substance in the waste may be calculated according to equation (a); or
 - (ii) where the LD_{550} value of each substance is calculated pursuant to paragraph (a), the LD_{50} value of the total mixture may be calculated using the following formula,



Determination of LC₅₀ value of a toxic mixture or solution

The generator is required to calculate the toxicity of waste mixtures or solutions containing one or more substances identified in the above references. The toxicity may be calculated according to the following equations:

• if the waste is a mixture or solution containing only one toxic substance:

$$LC_{50}$$
 Value = LC_{50} of toxic substance X 100 (a) of the waste percentage of toxic substance by mass

- if the waste is a mixture or solution containing more than one toxic substance:
 - (i) the LC_{50} of each toxic substance in the waste may b calculated according to equation (a); or
 - (ii) where the LC_{50} value of each substance is calculated pursuant to equation (a), the LC_{50} value of the total mixture may b calculated using the following formula,

The formulae for LC_{50} and LD_{50} set out above should not be used for mixtures containing both LC_{50} and LD_{50} at the same time. The toxicity should be calculated separately for LC_{50} and LD_{50} .

Wastes meeting the criteria set out in Section 1(d)(i) and (ii) of Schedule 1 of the Regulation are called poisonous solids or liquids and are included in Class 6.1.

Wastes meeting the criteria set out in Section 1(d)(iii) of Schedule 1 of the Regulation are called toxic gases and are included in Class 2.3.

Section 1(e) pH levels <2, >12.5

Waste Control Regulation Schedule 1 waste which has a pH value less than 2.0 or greater than 12.5.

This test applies to acidic or alkaline wastes.

If the waste is an aqueous solution or mixture, determine the pH directly using th method described below.

If the waste is not an aqueous solution or mixture, mix the waste with an equal weight of distilled water and determine the pH using the method described.

The suggested test methods ar Methods 9040, 9041, or 9045 in SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods published by the United State Environmental Protection Agency.

Wastes with a pH outside the interval 2.0 to 12.5, as described in Section 1(e) of Schedule 1 of the Regulation, are called corrosive liquids or solids, and are included in Class 8.

Section 1(f) polychlorinated biphenyls

Waste Control Regulation Schedule 1 waste which contains polychlorinated biphenyls at a concentration equal to or greater than 50 mg/kg.

This test applies only to wastes in a dispersible form. This test is not conducted on a leachate extract, rather, the entire sample is analyzed.

The most common analytical method involves the use of a gas chromatograph with an electron capture detector. Th <u>US EPA Method 8080</u> or <u>ASTM D 3304</u> are recommended. Sample preparation is described in these test methods.

Wastes meeting the criteria set out in Section 1(f) of Schedule 1 of the Regulation are called polychlorinate biphenyls, or articles containing PCB, and are included in Class 9.1.

Section 1(g)(I) Table 1: toxic leachates

Waste Control Regulation Schedule 1 waste which is a toxic leachate because it is in a dispersible form and contains at a concentration of 100 mg/L or higher any substance listed in Table 1 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time.

This test applies to waste in a dispersible form. Generators may use their knowledg of the waste to reduce the number of parameters tested.

The recommended test method is <u>Method 1311 Toxicity Characteristic Leaching Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. Analyze the TCLP extract according to appropriate analytical methods.

Wastes which contain in their leachate any of the substances listed in Table 1 at levels of 100 mg/l or higher are called "toxic leachate waste containing... (insert relevant compound names from Table 1)" and are included in Class 9.2.

Volatiles should be included in the analysis. The TCLP specifies that wastes should be collected, stored and analyzed in such a way as to prevent the loss of volatil analytes.

Section 1(g)(ii) Table 2: toxic leachates

Waste Control Regulation Schedule 1 waste which is a toxic leachate because it is in a dispersible form and its leachate contains any substance listed in Table 2 of the Schedule to the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time, in excess of the concentrations listed in that table.

This test applies to waste in a dispersible form. Generators may use their knowledge of the waste to reduce the number of parameters tested.

The recommended test method is Method 1311 Toxicity Characteristic Leaching Procedure (TCLP) described in US EPA Regulation 40CFR261 Appendix II. This test includes sample preparation procedures and specifies how mixtures of solids and liquids are handled. Analyze the TCLP extract according to appropriate analytical methods.

You should then compare the results of the leachate analysis against the standards set out in Table 2 of the Schedule to this Guide

Wastes in Table 2 having a code number prefixed with the letter "L" are also listed in Section 3.27(3) of the TDGR.

Wastes in Table 2 having a code number prefixed with the letters "LA" have been developed specifically for Alberta's Waste Control Regulation.

Wastes which contain in their leachate any of the substances listed in Table 2 at levels exceeding the value given in Table 2, are called "toxic leachate waste containing... (insert relevant compound names from Table 2)" and are included in Class 9.3.

Volatiles should be included in the analysis. The TCLP specifies that wastes should be collected, stored and analyzed in such a way as to prevent the loss of volatil analytes.

What About Iron?

In Table 2, the 1000 mg/L limit for iron does not apply to finely divided solid wastes such as foundry dust, or shot, sand, bead or other blasting wastes. The limit applies only to aqueous wastes and is intended to regulate only leachable iron which results from compounds such as ferric chloride, ferric nitrate, ferrous sulphate, ferrous ammonium sulphate, ferric ammonium citrate, and ferric ammonium oxalate.

Section 1(g)(iii) toxic leachates, dioxins and furans

Waste Control Regulation Schedule 1 waste which is a toxic leachate because it is in a dispersible form and it contains any of the following substances in a concentration greater than 0.001 mg/L:

- hexachloro-dibenzo-p-dioxins
- pentachloro-dibenzo-p-dioxins
- tetrachloro-dibenzo-p-dioxins
- hexachloro-dibenzofurans
- pentachloro-dibenzofurans
- tetrachloro-dibenzofurans

This test applies to waste in a dispersible form. Generators may use their knowledge of the waste to reduce the number of parameters tested.

The recommended test method is <u>Method 1311 Toxicity Characteristic Leaching Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. Analyze the TCLP extract according to appropriate analytical methods.

Recommended test methods include A Method for the Analysis of Polychlorinated Dibenzo-para-Dioxins (PCDDs), and Polychlorinated Biphenyls (PCB's) etc. 1/RM/3, May 1990 Environment Canada, or Reference Method for the Determination of Polychlorinated Dibenzo-para-dioxins (PCDDs) and Polychlorinated Dibenzo-para-dioxins (PCDDs) and Polychlorinated Dibenzo-para-dioxins (PCDFs) in Pulp and Paper Mill Effluents EPS 1/RM/19 Feb 1992 Environment Canada.

One should then compare the results of the leachate analysis to the 0.001 mg/L standard given above. No allowance is made for accommodating toxicity equivalence in the above standards. Also, the results should be presented on a "dry basis".

Wastes whose leachate contains any of the substances listed in Section 1 (g)(iii) of Schedule 1 of the Regulation at levels greater than 0.001 mg/L are included in Class 9.3 and are called "toxic leachate wastes containing dioxin or furan".

Section 14 Section-by-Section

Test methods to use with Section 14 of Waste Control **Regulation - Landfillable Hazardous Wastes**

The generator must first classify the waste as hazardous or nonhazardous before attempting to determine if the waste is prohibited fro landfilling. The landfill prohibition does not apply to nonhazardous waste. Once a waste has been classified as hazardous, the generator may then wish to figure out if the waste belongs to the subset of particularly nasty hazardous wastes which are prohibited from all landfills in Alberta. This process is outlined in Figure 5: What Wastes Can B Landfilled?

Section 14(2) is inclusive, that is, if any of the Subsections 14(2)(a) through 14(2)(h) ar not met, then the hazardous waste may not be disposed of in a landfill.

Again, the generator is responsible for determining and filling options. To figure out if a waste is prohibited from landfilling, generators may either:

- have the waste tested; or
- apply their knowledge of the waste.

The recommended test methods to use with each section of the landfill prohibition (Sections 14 (2)(a) through 14 (2)(h)) are described in order in the following pages.

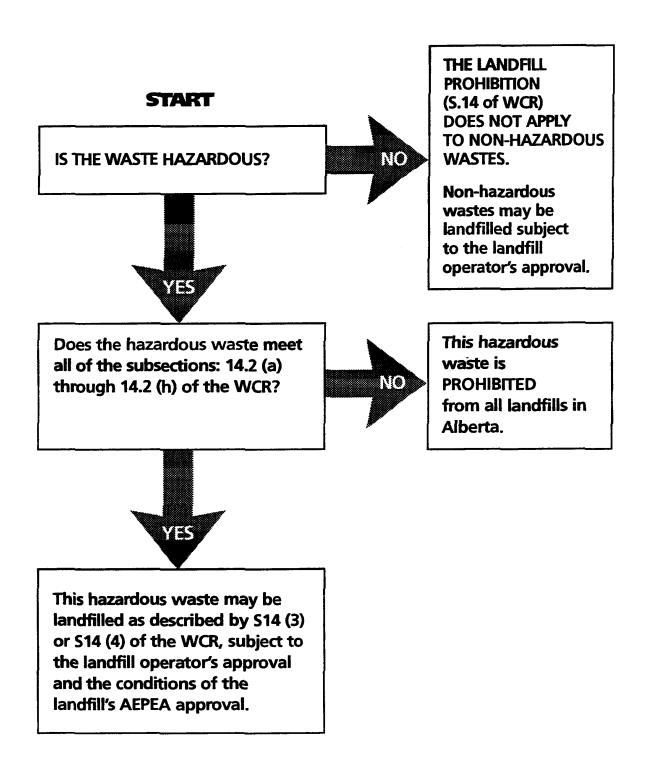
Note

A landfill which receives hazardous waste must be constructed, operated and reclaimed according to requirements in an AEPEA approval. The operating life of a hazardous waste landfill does not end when the last waste is deposited but instead continues for as long as leachate of a quality that may cause an unacceptable effect is being produced or for a period specified in the approval.

In order to receive an approval, the operator must demonstrate that the hazardous wast deposited in the landfill will not cause an adverse effect. Also, financial assurance must be provided in an amount that will cover the cost of closure and post closur requirements specified in the approval, before an AEPEA approval may be issued.

The amount of financial assurance will be based on many factors including the quantity and quality of solid and liquid waste which the landfill is designed to accommodate.

FIGURE 5 - WHAT WASTES CAN BE LANDFILLED?



Section 14(2)(a) solid wastes: halogenated organic compounds

Solid hazardous waste containing one or more halogenated organic compounds in a total combined concentration less than 1000 milligrams per kilogram.

The recommended test method is <u>Method 1311 Toxicity Characteristic Leaching Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. Analyze the TCLP extract according to appropriate analytical methods.

General Test Methods:

- extract the sample in n-Hexane using <u>EPA 3550</u>, and run the extract as per <u>EPA 9076</u>, or
- ethyl acetate or n-hexane extraction followed by combustion and microcolormetric titration.

Generators may apply their knowledge of the waste to figure out whether the waste is prohibited from landfills. For example, if the generator knows that the waste contains only one prohibited constituent then the waste may be analyzed for that constituent alone.

Test methods for specific constituents include:

• EPA 8240 and 8270 (SW-846).

Section 14(2)(b) liquid wastes: halogenated organic compounds

Liquid hazardous waste containing one or more halogenated organic compounds in a total combined concentration less than 100 milligrams per kilogram, of whic no more than 50 milligrams per kilogram is polychlorinated biphenyl.

The recommended test method is <u>Method 1311 Toxicity Characteristic Leaching</u>
<u>Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. Analyze the TCLP extract according to appropriate analytical methods.

Petroleum Liquids

- <u>EPA 9076</u> for total halogenated organics
- Alberta Environmental Protection M106.0 for PCBs

Water

- <u>EPA 9020</u> for total halogenated organics
- Alberta Environmental Protection A106.0 for PCBs

PCB

 The most common analytical method involves the use of a gas chromatograph with an electron capture detector. The <u>US EPA Method</u> 8080A or <u>ASTM D 3304</u> are recommended. Sample preparation is described in these test methods.

Section 14(2)(c) non-halogenated organic compounds

Liquid or solid hazardous waste containing one or more of the following compounds in a total combined concentration less than 1000 milligrams per kilogram:

•	acetone	•	isobutanol
•	benzene	•	methanol

n-butyl alcohol
 carbon disulfide
 methyl ethyl ketone
 nitrobenzene

cresols and cresylic acid
 2-nitropropane

cyclohexanone
ethyl acetate
ethyl benzene
ypridine
toluene
xylene

ethyl ether

The recommended test method is <u>Method 1311 Toxicity Characteristic Leaching Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. Analyze the TCLP extract according to appropriate analytical methods.

For cresols and cresylic acid:

• <u>EPA 8270</u> following the acid extractables portions only, us <u>EPA 3510</u> or <u>3550</u> for sample extraction as appropriate.

For the remainder of parameters (liquids and solids):

• <u>EPA 8240</u> purge and trap GC/MS (3 additional purgeable parameters) or, gas chromatography with flam ionization detection methods - see 8000 series methods.

Liquid Solvents Prohibited

All liquid wastes containing any of the substances in Section 14(2)(c) are prohibited from landfill disposal if the substance is present at levels exceeding 1000 mg/kg. No other testing is required.

Solids Contaminated with Solvents

Solids containing benzene, ethyl benzene, methyl ethyl ketone, nitrobenzene, pyridine, toluene, or xylene are prohibited from landfill disposal if they are present at levels exceeding 100 mg/kg. No other testing is required.

• Solvents Prohibited if Flammable

Solids contaminated with acetone, n-butyl alcohol, cyclohexanone, ethyl acetate, ethyl ether, isobutanol, and 2-nitropropane are prohibited from landfill disposal if they are present at levels exceeding 100 mg/kg but only if the waste is flammable.

Solvents Prohibited if Toxic

Solids contaminated with cresols, or cresylic acid, are prohibited fro landfill disposal if they are present at levels exceeding 100 mg/kg but only if the waste is toxic.

• Solvents Prohibited if Flammable or Toxic

Solids contaminated with carbon disulfide, or methanol are prohibited from landfill disposal if they are present at levels exceeding 1000 mg/kg but only if the waste is flammable or toxic.

Section 14(2)(d) combustible substances

Any substance or mixture of substances that ignites and propagates combustio according to the test methods that describe spontaneously combustible hazardous waste, provided that those substances or mixtures of substances;

- are not liable to ignite and propagate combustion under the conditions of disposal, and
- are not liable to emit flammable gases under the conditions o disposal.

The recommended test method is th <u>Test for Pyrophoric Substances or Test for Self Heating Substances - Interim Compilation of Test Methods Under TDGR.</u>

Disposal must be carried out in a manner which will not result in the ignition of th waste.

Section 14(2)(e) liquid waste: metals

Liquid hazardous waste containing any of the following substances in a concentration less than that shown:

•	arsenic	500 milligrams per kilogra
•	berylliu	100 milligrams per kilogra
•	cadmium	100 milligrams per kilogra
•	chromium hexavalent	500 milligrams per kilogra
•	lead	500 milligrams per kilogra
•	mercury	20 milligrams per kilogra
•	nickel	500 milligrams per kilogra
•	selenium	200 milligrams per kilogra
•	silver	100 milligrams per kilogra
•	thalliu	200 milligrams per kilogra
•	uranium	100 milligrams per kilogra

<u>Paramete</u>	Methodology	<u>Instrumentation</u>
arsenic	Standard Method 3114B	ICP (hydride
beryllium	Standard Method 3120B	ICP
cadmium	Naquadat No. 48011	ICP
chromium Cr+6	Standard Method 3500-CrD	Colorimetric
lead	Naquadat No. 82011	ICP
mercury	Standard Method 3500-HgB	Mercury Analyzer
		(cold vapour)
nickel	Naquadat No. 28011	ICP
selenium	Standard Method 3114B	ICP (hydride
silver	Standard Method 3500-AgC	ICP
thallium	Standard Method 3500-TIC	ICP
uranium	Dionex Method 48	Ion Chromatography

Methods may vary for aqueous and nonaqueous wastes.

Section 14(2)(f) solid waste: leachable metals

Solid hazardous waste producing a waste extract which contains one or more of the substances referred to in clause (e) in a concentration less than the value for that substance shown in that clause.

For hazardous waste in a dispersible form, which is codisposed with municipal garbage the recommended test method is <u>Method 1311 Toxicity Characteristic Leaching Procedure (TCLP</u> described in <u>US EPA Regulation 40CFR261 Appendix II</u>. This test mimics the acidic conditions expected in a municipal landfill. Analyze the TCLP extract according to appropriate analytical methods.

For hazardous waste in a dispersible form, which is disposed in non-acidic conditions, such as a dedicated landfill cell or monofill, and is not codisposed with municipal garbage, the recommended test method Method 1311 Toxicity Characteristic Leaching Procedure (TCLP described in US EPA Regulation 40CFR261 Appendix II, may be modified as follows in determining the landfill prohibition of Section 14(2)(f):

- replace the extraction fluids #1 and #2 with reagent water Type I (ASTM Specification D1193). This reagent water must have a pH between 5.0 and 8.0 at 298 K. Additional parameters are specified in the ASTM Specification which is available from the Alberta Environmental Protection library (427-5870); and
- do not adjust the pH during the extraction procedure.

Note that these modifications do not apply to the TCLP procedure when it is used to classifying wastes, such as those wastes listed in Section 1(g) of Schedule 1 of the Waste Control Regulation.

Analyze the TCLP extract according to appropriate analytical methods.

Section 14(2)(g) free cyanides

Liquid hazardous waste containing less than 1000 milligrams per kilogram of free cyanides.

The recommended test method is <u>Naquadat No. 06608L</u> with auto colorimetric instrumentation.

Section 14(2)(h) corrosives

Hazardous waste with a pH greater than 12.5.

There are two types of hazardous waste based on pH, acidic hazardous waste (pH<2.0) and caustic hazardous waste (pH>12.5). The acidic hazardous wastes may not b landfilled. Subject to the conditions of an approval, the caustic hazardous wastes may be landfilled, if not prohibited for some other reason. The test method is the same as that described for Schedule 1 of the Regulation (Section 1(e) of Schedule 1).

General sampling methods

The methods and equipment used for sampling waste materials will vary with the form and consistency of the waste materials to be sampled. A representative sample of the waste can be collected by using the following methods:

- extremely viscous liquid: <u>ASTM Standard D140-70</u>;
- crushed or powdered material: <u>ASTM Standard D346-75</u>;
- soil or rock-like material: ASTM Standard D420-69;
- soil-like material: ASTM Standard D1452-65;
- fly ash-like material: <u>ASTM Standard D2234-76</u>;
- Containerized liquid wastes: "COLIWASA" described in "<u>Test Method for Evaluating Solid Wastes, Physical/Chemical Methods</u>"
 SW-846 U.S. EPA, Septembe ; or
- liquid waste in pits, ponds, lagoons and similar reservoirs: "pond sampler" described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", SW-846, U.S. EPA, September 1986.

General analytical methods

- APHA-AWWA-WPCF, <u>Standard Methods for the Examination of Water and Wastewater</u>, current edition.
- Alberta Environmental Centre, "Methods Manual for Chemical <u>Analysis of Water and Wastes</u>", Alberta Environmental Centre, Vegreville, Alberta. October, 1987, AECV87-M1, or the latest edition.
- Alberta Environmental Protection, "Methods Manual for Chemical Analysis of Pesticides and PCB Residues in Water and Wastes".
 Pollution Control Laboratory, Edmonton, Alberta, 1979.
- Dionex Corporation Methods manual.
- McKeague, J. A., " <u>Manual on Soil Sampling and Methods of Analysis</u>", published by the Canadian Society of Soil Science, 1978 or Carter M.R., Edition 1993.
- U.S. EPA, <u>Test Methods for Evaluating Solid Waste</u>, <u>Physical/Chemical Methods</u>, <u>SW-846</u>, September 1986 or latest edition.
- US EPA "Environmental Protection Agency Regulations on Test <u>Procedures for the Analysis of Pollutants</u>". 40 CFR 136 as amended, 1984, pages 131:4270 to 131:4281.

Summary table of recommended test methods (continued)	NAME	SECTION WCR	CLASS	METHOD
	Liquids/Solids	-	-	US EPA Method 9095 Paint Filter Liquids
	Dispersible Form	Waste Control Regulation 1(f)	-	As described in the Regulation and Part I of this Guid
	Flammable	Waste Control	3.1	ASTM D56-79, or
	Liquids	Regulation Schedule 1 Section 1(a)	3.2 3.3	ASTM D93-80, or ASTM D3828-81, or ASTM D3278-82.
	Flammable	Waste Control Solids Regulation Schedule 1 Section 1(a)	4	ASTM D93-80 US EPA Method 1010
	Flammable Solids	Waste Control Regulation Schedule 1 Section 1(b)	4.1	Readily Combustible Burn Test or Burning Rate Test - Interim Compilation of Test Methods Under TDGR
	Flammable Solids	Waste Control Regulation Schedule 1 Section 1(b) see also 14(2)(d)	4.2	Test for Pyrophoric Substances or Test for Self Heating Substances - Interim Compilation of Test Methods Under TDGR
	Oxidizing Substances	Waste Control Regulation Schedule 1 Section 1(c)	5	Test for Solid Oxidizing Substances – Interim Compilation of Test Methods Under TDGR
	Poisonous Solids or Liquids	Waste Control Regulation Schedule 1 Section 1(d)(i) and (ii)	6.1	By review of specified references or previous knowledg
	Toxic Gases	Waste Control Regulation Schedule 1 Section 1(d)(iii)	2.3	By review of specified references or previous knowledg
	Corrosive Solids or Liquids	Waste Control Regulation Schedule 1 Section 1(e)	8	Method 9040, 9041, 9045 SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods - US EPA

Summary table of recommended test methods (continued)	NAME	SECTION WCR	CLASS	METHOD
(community)	Poly- chlorinated Biphenyls or Articles containing PCB	Waste Control Regulation Schedule 1 Section 1(f)	9.1	US EPA Method 8080A or ASTM D 3304 or A Method for the Analysis of Polychlorinated Dibenzo- para-dioxins (PCDDs), and or, Polychlorinated Biphenyls (PCBs), etc. 1/RM/3, May 1990 Environment Canada
	Toxic Leachate Waste – containing Table 1	Waste Control Regulation Schedule 1 Section 1(g)(i)	9.2	Method 1311 Toxicity Characteristic Leaching Procedure (TCLP) US EPA Reg 40CFR261 App II
	Toxic Leachate Waste - containing Table 2	Waste Control Regulation Schedule 1 Section 1(g)(ii)	9.3	Method 1311 Toxicity Characteristic Leaching Procedure (TCLP) US EPA Reg 40CFR261 App II
	Toxic Leachate Waste Containing Dioxin or Furan	Waste Control Regulation Schedule 1 Section 1(g)(iii)	9.3	A Method for the Analysis of Polychlorinated Dibenzo -para- dioxins (PCDDs), and Polychlorinated Biphenyls (PCBs), etc. 1/RM/3, May 1990 Environment Canada or Reference Method for the Determination of Polychlorinated Dibenzo-para- dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) in Pulp and Paper Mill Effluents EPS 1/RM/19 Feb 1992 Environment Canada
	Waste Type 200 Spent Filters produced in the fabric cleanin industry where an organic solvent is used as the cleaning agent	Table 3 of the Schedule to the Alberta User Guide for Waste Managers BUT see Section 3(h) of the WCR	9.3	Determine if the filters have been steam stripped in a steam cabinet with a sparger for a period of 8 hours or more

Summary table of recommended test methods (continued)	NAME	SECTION WCR	CLASS	METHOD
(commuca)	Waste Type 201 Spent Lubricating Oil and Undrained Lube Oil Filters Removed from Internal Combustion Engines	Table 3 of the Schedule to the Alberta User Guide for Waste Managers BUT See Section 3(h) of the WCR	9.3	Calculate DE for Filters
	Landfillable halogenated solids	Waste Control Regulation Section 14(2)(a) Landfillabl Hazardous Wastes	-	 TCLP, General: extract the sample in n-Hexane using EPA 3550: run the extract as per EPA 9076; or ethyl acetate or n-hexane extraction followed by combustion and microcolormetric titration Specific Compounds - EPA 8240 and 8270 (SW-846).
	Landfillable halogenated liquids	Waste Control Regulation Section 14(2)(b) Landfillabl Hazardous Wastes		TCLP Petroleum Liquids: EPA 9076 for total halogenated organics, Alberta Environmental Protection M106.0 for PCBs Water: EPA 9020 for total halogenated organics, Alberta Environmental Protection A106.0 for PCBs PCB: analytical method involves the use of a gas chromatograph with an electron capture detector. The US EPA Method 8080A or ASTM D 3304 are recommended.
	Landfillable nonhalo- genated organic compounds	Waste Control Regulation Section 14(2)(c) Landfillabl Hazardous Wastes	-	TCLP For cresols and cresylic acid: EPA 8270 following the acid extractables portions only, us EPA 3510 or 3550 for sample extraction as appropriate. For remainder of parameters (liquids and solids): EPA 8240 purge and trap GC/MS (3 additional purgeable parameters) or GC/FID

Summary table of recommended test methods (continued)	NAME	SECTION WCR	CLASS	METHOD
	Landfillable spontaneously combustible hazardous waste	Waste Control Regulation Section 14(2)(d) Landfillabl Hazardous Wastes	4.2	Test for Pyrophoric Substances or Test for Self-Heating Substances - Interim Compilation of Test Methods Under TDGR
	Landfillable liquid hazardous waste containing metals	Waste Control Regulation Section 14(2)(e) Landfillabl Hazardous Wastes		arsenic SM* 3114B beryllium SM* 3120B cadmiu Naquadat No.48011 chromiu hexavalent SM* 3500-CrD lead Naquadat No. 8201 mercury SM* 3500 HgB nickel Naquadat No. 28011 selenium SM* 3114B silver SM* 3500-AgC thallium SM* 3500-TIC uranium Dionex Method 48 NOTE: SM* = Standard Method
	Landfillable solid hazardous waste containing metals	Waste Control Regulation Section 14(2)(f) Landfillabl Hazardous Wastes	9.3	Method 1311 Toxicity Characteristic leaching Procedure (TCLP) US EP Reg 4CFR261 App II (for hazardous waste buried with garbage)
	Landfillable solid hazardous waste containing metals	Waste Control Regulation Section 14(2)(f) Landfillabl Hazardous Wast	9.3	Method 1311 Toxicity Characteristic leaching Procedure (TCLP) US EP Reg 4CFR261 App II (modified for hazardous waste buried alone, monofills)
	Landfillable liquid hazardous waste containing cyanide	Waste Control Regulation Section 14(2)(g) Landfillabl Hazardous Wastes (Liquid Cyanide)	-	Naquadat No. 06608L with auto colorimetric instrumentation
	Landfillable hazardous corrosive wastes	Waste Control Regulation Section 14(2)(h) Landfillabl Hazardous Wastes	8	Method 9040, 9041, 9045 SW-846 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods

Alberta User Guide for Waste Managers PART 1 - C



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Waste Management Guidelines

Industrial Waste Guidelines

Guidelines have been established by Alberta Environmental Protection for the following industrial wastes:

Asbestos

A document entitled Guidelines for the Disposal of Asbestos Waste was published by the Department in August 1989 and is available from the Industrial Wastes Branch at 427-5847.

Hydrocarbon-Contaminated Soil

A document entitled Interim Guideline for Handling and Disposal of Petroleum Hydrocarbon-Contaminated Soil, October 1993 is available from the Industrial Wastes Branch at 427-5847.

Sulphur

A document entitled Guidelines for the Disposal of Sulphur-Containing Solid Wastes, March 1983 is available from th Industrial Wastes Branch at 427-5847.

Waste Oil

Guidelines are being developed by the Alberta Used Oil Project at 422-1481.

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Transporting Hazardous Waste

March, 1995



Alberta User Guide for Waste Managers **PART 2**



Transporting Hazardous Waste

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Alberta User Guide for Waste Managers PART 2



Transporting Hazardous Waste

How to complete the manifest form

Instructions

A diagram entitled "Instructions for Completing the Hazardous Waste Manifest Form" is found on page 2 - 6. Some commonly asked questions are answered.

What units and quantities should be used on the manifest form?

In order to have a consistent reporting method by all waste shippers and receivers in Alberta, the following criteria for completing the columns "Quantity Shipped" or "Quantity Received", and "Units" of Part A or Part C of the manifest form, are recommended:

- for **drummed liquid waste**, report the drum size in litres and the number of drums, for example, 6 x 205 L.
- for **drummed solid waste**, report the weight in kg and th number of drums, for example, 6 x 278 kg.

If the weight is not known, substitute the drum volume in litres for the weight of the waste and use units of kg. For example, 6 x 205 kg would describe 6 drums of 205 litr volume filled with an unknown weight of solid waste.

- for **lab pack waste**, report the number of drums and the dru size in litres, for example 6 x 205L.
- for **bulk waste**, report the weight in kg for solid waste or volume in L for liquid waste.
- for an **overpacked container**, report the contained drum siz in L for liquids or report the total weight of th overpacked container in kg for solid waste. If the weight is not known, substitute the drum volume in litres for the weight of the waste and use units of kg.
- for **empty containers**, report the container's nominal capacity in L and the number of containers, for example, 3 x 205L.

The receiver should attempt to verify the amounts written on the manifest by the generator, using the same units of measurement.

What if the amounts received are not the same as the amounts shipped?

The receiver (consignee) should report, in the first and second columns of Part C of the manifest form, the actual waste quantity received, even if it is different from what was reported by the waste generator (consignor). Th receiver should also identify, in the third column of Part C of the manifest form, any discrepancy between the amount of waste shipped and the amount of waste received. The units and quantities used should comply with the previous section.

Is a manifest required for hazardous waste transported for treatability studies? Even though the treatability study may be excluded from the approvals process under Note 1 of Division 1 of the Schedule of the Activities Designation Regulation, a manifest is still required if the waste is hazardous.

How are wastes which cross Alberta's boundaries classified?

For shipments entering or leaving Alberta, whether hazardous recyclables or hazardous waste, generators must classify, name and label their waste in strict compliance with Transportation of Dangerous Goods legislation.

Can a company use the same generator number for more than one location where waste is generated? Yes, a single personal identification number (PIN) may be used by one company for many different waste generation locations. However, these individual locations must be clearly identified on the manifest form in the box called "Shipping Site Address". The company should apply to the Industrial Waste and Wastewater Branch for approval to consolidate all its wast generating sites under a single generator number.

Is a waste manifest required for dangerous goods being returned to their manufacturer?

No manifest is required in this situation - but a shipping document is required.

Instruction for completing the hazardous waste manifest form

See example on opposite page.

- 1. Consignor (generatro) provincial registration number, G xxxx.
- 2. Complete company name and address as indicated on generator application.
- 3. Actual source of waste legal or street address (as indicated on generator application form).
- 4. Receiver mailing address and registration number.
- 5. Receiver location.
- 6. Solid or liquid.
- 7. Waste name.
- 8. Classifiction number, UN xxxx.
- 9. If liquid, give volume in litres. If solid, give weight in kilograms.
- 10. Number corresponds to placard.
- 11. Packing code l, ll or lll as per TDGA.
- 12. Number and type of container as listed on back of form.
- 13. Date and time shipment left generator.
- 14. Estimated date of arrival (at final receiving site).
- 15. Printed name, signature and telephone number for contract at generator.
- 16. Carrier provincial registration number, C xxx.

- 17 Complete company name and address.
- 18 Motor vehicle registration number.
- 19 Printed name, signature and telephone number for contract attransporter.
- 20 Cross-reference to other manifests if necessary (serial transporters or previously shipped).
- 21 Receiver provincial registration number, R xxx.
- 22 Receiver name and mailing addresss.
- 23 Receiver location.
- 24 Date and time shipment received.
- 25 Quantit received, L or kg to correspond with section A.
- 26 Comments pertaining to discrepancies.
- 27 01 09 as listed on back of form.
- 28 If necessary, has treatment of the packaging or vehicle been carried out?
- 29 If 09, describe.
- 30 Subsequent transfer, if applicable.
- 31 Printed name, signature and telephone number of person certifying receipt.
- 32 Press hard, 6 copies being produced.
- 33 Deposition of paper copies listed on all six. Those mailed must be sent within 2 working days.

THE MANIFEST FORM 3/95, PART 2 - 4

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Using the recycle docket and attachment

What is recycling?

Recycling is defined in Section 1(ddd) of AEPEA. It means "to do anything that results in providing a use for a thing that otherwise would be disposed of or dealt with as a waste...". This definition does not include "application of waste to land or the use of a thermal destruction process". Thermal destruction is interpreted to mean thermal destruction without any benefit or heat recovery. Therefore, burning waste as fuel is recycling, burning waste in an open fire is not recycling.

What is a recycle docket?

The recycle docket is intended to replace the TDG shipping document when transporting hazardous recyclables within Alberta.

The recycle docket is required under Section 162(a) of AEPEA which reads:

"No person shall consign for shipment any hazardous recyclable unless the hazardous recyclable is accompanied by a recycle docket."

The subject matter of the docket is set out in Section 19 (a) of the Waste Control Regulation and a recommended form has been drawn up and is included at th back of this part.

How is the recycle docket used?

The recycle docket accompanies shipments of hazardous recyclables. Unlike th hazardous waste manifest, only one copy of the docket is required to accompany the hazardous recyclable and there is no need to mail any copies anywhere.

Who keeps the recycle docket?

The consignor (generator) does not need to keep a copy of the docket.

The carrier should keep a copy of the docket only until the vehicle has been cleaned and the placards removed.

The consignee (that is, the recycler or receiver) shall keep the recycle docket on site and available for inspection by Alberta Environmental Protection staff for a period of at least 2 years. An approval issued under AEPEA to a recycler may require a longer retention period.

Should copies of the recycle docket be mailed to any government agency? No.

Isn't the recycle docket a duplication of Transportation of Dangerous Goods legislation?

No, it isn't. There is an agreement between Alberta Environmental Protection and Alberta Public Safety Services which allows the use of the recycle docket or the TDG shipping document when transporting only hazardous recyclables within Alberta.

There is no requirement to use both documents. If you are using the shipping document while transporting hazardous recyclables, you should write the words "RECYCLE DOCKET" on it.

Placarding is still required under the requirements of the TDGR.

If the shipment crosses Alberta's borders (either entering or leaving) it will b regulated only under TDG legislation and not under the Waste Control Regulation.

What is the attachment to the recycle docket?

The attachment to the recycle docket is intended to replace the TDG Multipl Delivery and Collection Document when transporting hazardous recyclables within Alberta.

The subject matter of the attachment is set out in Section 19 (b) of the Wast Control Regulation and a recommended form has been drawn up and included at the back of this part.

No permit is required to use the attachment to the recycle docket.

How is the attachment to the recycle docket used?

If the consignor wishes, he may complete a separate recycle docket for every load, even for multiple pick-ups of the same kind of hazardous recyclable. But, it is easier to use the attachment.

The attachment to the recycle docket should be used where the carrier collects the same recyclable from more than one generator on the route. Whenever another load of a material which has already been described on a docket is picked up further along the route, only the four items on the attachment need to be entered.

Using the attachment means that for each kind of recyclable, information such as the waste classification, product identification number (PIN), packing group, receiver and so on, needs to be recorded only once on the docket. Using the attachment also means that only one docket is needed for each kind of hazardous recyclable.

For example, a truck collects lube oil, glycol and batteries at:

Larry's service station,
and collects lube oil, and batteries at:

Linda's service station, and Luke's service station,
and collects glycol and batteries at:

In this case, one docket and three attachments could be used for the entire route. The docket would describe the lube oil, glycol and batteries from Larry. One attachment would describe the batteries from Linda, Luke, Gordon and Gilbert, another attachment would describe the lube oil from Linda and Luke and a third attachment would describe the glycol from Gordon and Gilbert.

Gordon's service station, and Gilbert's service station.

In other words, there is one attachment for each waste picked up more than once during the trip.

What if all the spaces on the attachment are filled in during a milk run?

The carrier may attach as many additional sheets as are necessary.

Should copies of the attachment be mailed to any government agency? No.

Who keeps the attachment to the recycle docket?

These requirements are the same as those for the docket itself, i.e.:

- The consignor (generator) does not need to keep a copy of the attachment.
- The carrier should keep a copy of the attachment (if one is used) only until the vehicle has been cleaned and the placards removed.
- The consignee (that is, the recycler or receiver) shall keep the attachment on site and available for inspection by Alberta Environmental Protection staff for a period of at least 2 years. An approval issued under AEPEA to a recycler may require a longer retention period.

What units and quantities should be used on the recycle docket and attachment?

The units and quantities which should be used on the recycle docket are the same as those described in the previous section "How to complete the manifest".

Isn't the attachment to the recycle docket a duplication of the document required under the TDGA?

No, it isn't. Again, there is an agreement between Alberta Environmental Protection and Alberta Public Safety Services which allows the use of th attachment to the recycle docket or the TDG multiple delivery and collection document when transporting only hazardous recyclables within Alberta. There is no requirement to use both documents. If you are using the TDG document while transporting only hazardous recyclables, you should write the words "ATTACHMENT TO THE RECYCLE DOCKET" on it.

No permit is required to use the attachment to the recycle docket.

If the shipment crosses Alberta's borders it will be regulated only under TDG legislation and not under the Waste Control Regulation.

Are generator numbers required while transporting hazardous recyclables?

No, generator, carrier and receiver numbers are not required within Alberta when using the recycle docket.

Shipments of hazardous waste or hazardous recyclables which cross Alberta's borders are regulated under the Transportation of Dangerous Goods legislation, not the Waste Control Regulation. Therefore, generator, carrier, and receiver numbers are required on a manifest while transporting hazardous recyclables across Alberta's borders.

Naming wastes for transportation

This section provides information to assist waste generators in completing a manifest prior to shipping hazardous waste.

A. Naming waste listed in Table 3

If the waste is listed in Table 3, consult that Table for proper shipping name, product identification number (PIN), classification, and packing group for completing the manifest form.

EXAMPLE: Naming a waste listed in Table 3

If a generator is shipping Waste Type I from Table 3, the following information would appear on the manifest (PIN NA9301):

Shipping Name	Waste Type I	(from Column I)
PIN	NA9301	(from Column II)
Classification	6.1	(from Column III)
Packing Group	II	(from Column V)

B. Naming waste listed in Table 4

A waste is deemed to be listed in Table 4 when the following conditions are met:

• the waste meets the written description given in Column I of Table 4 of the Schedule of this Guide, and

the waste is one or more of the following:

- discarded chemical substances manufactured or formulated for commercial or manufacturing use including the commercially pure grade of the chemical;
- off-specification products or chemicals;
- any technical grades of the chemical that are produced or marketed and all formulations in which the chemical is the sole active ingredient; or
- wastes which are mixtures consisting solely of chemicals listed in Tabl
 4.

Table 4 does NOT refer to:

- a waste produced during the manufacture of any of the chemicals listed in this Table:
- a waste produced during the use of any of the chemicals listed in this Table; or
- wastes which are mixtures of inert substance(s) and one or more chemicals listed in the Table.

Note that Table 4 includes both Table 4(a) and Table 4(b).

EXAMPLE: Naming a discarded chemical listed in Table 4

When the waste is a discarded dangerous good or off-specification dangerous good, the shipping name that appears on the manifest will include the word "waste" preceding the name which is given in Table 4(a) or 4(b).

For example, if a producer or user of dipropyl ether were to discard the product as a waste, the following information would appear on the manifest:

Shipping Name Waste dipropyl ethe

Product Identification No. UN2384

Classification 3.1 Packing Group II

C. Naming wastes which are mixtures consisting solely of chemicals listed in Table 4

For mixtures consisting solely of wastes listed in Table 4, the generator should consult the Table of Precedence of Classification on page 2-30. Th classification information associated with the chemical that has precedence is to be entered on the manifest.

D. Naming wastes or waste mixtures which are not listed in Table 3 or 4 but which have been tested and exceed the criteria set out in Schedule 1 of the Regulation

If the waste has been tested and meets the criteria for only one class, i.e., either, class 2.3, 3.1, 3.2, 3.3, 4, 4.1, 4.2, 5, 6.1, 8, or 9.1, 9.2, 9.3, the waste shall be named as follows:

CLASS 2: The waste shall be identified as:

Waste Compressed UN1955 2.3 Reg Schedule 1 or Liquified Gase toxic n.o.s. LC50 not greater than 10,000 mg/m3 at normal atmospher	Shipping Name	I.D. Number	Classification	<u>Criteria</u>
pressur	or Liquified Gase	UN1955	2.3	(d)(iii): LC50 not greater than 10,000 mg/m3 at normal atmospheric

NOTE: Compressed gases are not regulated as hazardous waste based on th criteria of corrosivity or flammability. However, they are hazardous if they ar discarded commercial chemicals listed in Tables 3 or 4 or if their inhalation toxicity is not greater than 10,000 mg/m3 at normal atmospheric pressure.

CLASS 3: The waste shall be identified as:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Waste Flammable Liquid n.o.s	UN1993	3.1 or 3.2 or 3.3	Reg schedule 1 (a) flash point less than 61°C

These wastes must be liquids as determined by the Paint Filter Liquids Test.

CLASS 4: The waste shall be identified as:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Waste Flammable Solids n.o.s.	UN1325	4	Reg Schedule 1 (a)
Waste Flammable Solids n.o.s.	UN1325	4.1	Reg Schedule 1 (b)
Waste Flammable Solids n.o.s.	UN1325	4.2	Reg Schedule 1 (b)

These wastes must be solids as determined by the Paint Filter Liquids Test.

CLASS 5: The waste shall be identified as:

Shipping Name	I.D. Number	Classification	Criteria
Waste Oxidizing Substance n.o.s. solid or liquid	UN1479	5	Reg Schedule 1 (c)

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

CLASS 6: The waste shall be identified as:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Waste Poisonous Liquids n.o.s.	UN2810	6.1	Reg Schedule 1(d)(i) Reg Schedule 1(d)(ii) (literature search)
Waste Poisonous Solids	UN2811	6.1	Reg Schedule 1(d)(i) Reg Schedule 1(d)(ii) n.o.s. (literature search)

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

CLASS 8: The waste shall be identified as:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Waste Corrosiv Liquid n.o.s.	UN1760	8	Reg Schedule 1 (e) pH < 2, pH > 12.5
Waste Corrosiv Soli n.o.s.	UN1759	8	Reg Schedule 1 (e) pH < 2, pH > 12.5

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

CLASS 9.1: The PCB waste shall be identified as:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Polychlorinated Biphenyls or Articles containing	UN2315	9.1	Reg Schedule 1 (f) contains 50mg/kg PCB or more

For polychlorinated biphenyls, the following hazardous wastes are to be manifested:

- (a) any "dispersible form" mixture containing PCBs in a concentration greater than 50 parts per million by weight; or
- (b) any article that contains the mixture referred to in (a) but does not include electrical equipment, packaging or a container; or
- (c) electrical equipment that contains the mixture referred to in (a); and the quantity of mixture referred to in (a) is greater than 5 kilograms.

For example, if the waste meets the above criteria, the information which would appear on the manifest is the following:

Shipping Name	PCB waste
Product Identification No.	UN2315
Classification	9.1
Packing Group	П

Note that federal legislation may have more stringent requirements for th transportation of PCBs.

CLASS 9.2: Wastes listed in Table 1 which are not otherwise hazardous:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Toxic Leachate Waste Containing isobutylamine*	T-1.35*	9.2	Reg Schedule 1 (g)(i) in Table 1 and > Toxic Leachate 100mg/L Reg
Waste Containing dinitrophenol	T-1.25*	9.2	Schedule 1 (g)(i) in Table 1 and > 100mg/L

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

If more than one waste is identified from Table 1, the waste should be named for the most concentrated constituent.

For example, if the waste is a mixture of acetaldehyde and one or more inert substances in a dispersible form with acetaldehyde present in a leachate extract in a concentration in the extract only exceeding 100 ppm but less than that required to meet the criteria for Class 3, (flammability) the information which would appear on the manifest is the following:

	Toxic Leachate Waste
Shipping Name	Containing Acetaldehyd
Product Identification No.	T-1.1
Classification	9.2
Packing Group	III

CLASS 9.3: Waste Listed in Table 2 which are not otherwise hazardous:

Shipping Name	I.D. Number	Classification	Criteria
Toxic Leachate waste containing* toluene	LA62* (User Guide Table 2)	9.3	Reg Schedule 1(g)(ii)
Toxic Leachate waste containing* copper	LA15* (User Guide Table 2)	9.3	Reg Schedule 1(g)(ii)

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

If more than one waste is identified from Table 2, the waste should be named for the most concentrated constituent.

Note: Tables 1 and 2 of the Schedule of the User Guide are mutually exclusive. Therefore, it does not matter in which order the parameters in Tabl 1 and Table 2 ar analyzed.

^{*} for example only, please use actual name and number specified in Table 1

^{*} for example only, please use actual name and number specified in Table 2

CLASS 9.4: Waste containing dioxin or furan:

Shipping Name	I.D. Number	Classification	<u>Criteria</u>
Toxic Leachate waste containing Dioxin, solid	LA90	9.3	Reg Schedule 1 (g)(iii)
Toxic Leachate waste containing Dioxin, liquid	LA90	9.3	Reg Schedule 1 (g)(iii)
Toxic Leachate waste containing Furan, solid	LA90	9.3	Reg Schedule 1 (g)(iii)
Toxic Leachate waste containing Furan, liquid	LA90	9.3	Reg Schedule 1 (g)(iii)
Toxic Leachate waste containing Dioxin and Furan, soli	LA90	9.3	Reg Schedule 1 (g)(iii)
Toxic Leachate waste containing Dioxin and Furan, liquid	LA90	9.3	Reg Schedule 1 (g)(iii)

These wastes may be liquids or solids as determined by the Paint Filter Liquids Test.

The ID number "LA90" has been arbitrarily assigned to these substances. It does not exist in the Transportation of Dangerous Goods legislation.

E. Naming wastes which have been tested and meet the criteria for more than one classification

If the waste has been tested and meets the criteria for two or more classes, th generator should refer to the Table of Precedence of Classification on page 2-30. This Table provides a means of establishing the shipping name and wast classification. For example, a waste which meets the poisonous criteria set out in Schedule 1 of the Regulation, and is flammable because it has a flash point less than 61°C, shall be named "flammable liquid, poisonous, n.o.s.".

For dual classification wastes, the following represent the possibl combinations from which the appropriat name, identification number, classification and packing group may be selected for entry on the manifest.

A waste with characteristics of Class 3 and Class 6 wastes.

Item No.	Shipping Name	I.D. <u>Number</u>	Classification	Packing Group
1386	Flammable Liquids,	1992	3.1	I
	Poisonous, n.o.s.		6.1	
1387	Flammable Liquids,	1992	3.1	II
	Poisonous, n.o.s.		6.1	
1388	Flammable Liquids,	1992	3.2	I
	Poisonous, n.o.s.		6.1	
1389	Flammable Liquids,	1992	3.2	II
	Poisonous, n.o.s.		6.1	
1390	Flammable Liquids,	1992	3.3	I
	Poisonous, n.o.s.		6.1	
1391	Flammable Liquids,	1992	3.3	II
	Poisonous, n.o.s.		6.1	
2343	Poisonous Liquids,	2929	6.1	I
	Flammable, n.o.s.		3	
2344	Poisonous Liquids,	2929	6.1	II
	Flammable, n.o.s.		3	

A waste with characteristics of Class 3 and Class 8 wastes.

Item No.	Shipping Name	I.D. <u>Number</u>	Classification	Packing Group
782	Corrosive Liquids, Flammable, n.o.s.	2920	8 3	I
783	Corrosive Liquids, Flammable, n.o.s.	2920	8 3	II
1373	Flammable Liquids, Corrosive, n.o.s.	2924	3.1 8	I
1374	Flammable Liquids, Corrosive, n.o.s.	2924	3.1 8	II
1375	Flammable Liquids, Corrosive, n.o.s.	2924	3.2	I
1376	Flammable Liquids, Corrosive, n.o.s.	2924	3.2	II
1377	Flammable Liquids, Corrosive, n.o.s.	2924	3.2 8	III
1378	Flammable Liquids, Corrosive, n.o.s.	2924	3.3 8	III

A waste with characteristics of Class 4 and Class 6 wastes.

Item No	o. Shipping Name	I.D. <u>Number</u>	Classification	Packing Group
1397	Flammable Solids,	2926	4.1	I
	Poisonous, n.o.s.		6.1	
2350	Poisonous Solids,	2930	6.1	I
	Flammable, n.o.s.		4.1	
2351	Poisonous Solids,	2930	6.1	II
	Flammable, n.o.s.		4.1	

A waste with characteristics of Class 4 and Class 8 wastes.

Item No.	Shipping Name	I.D. <u>Number</u>	Classification	Packing Group
790	Corrosive Solids, Flammable, n.o.s.	2921	8 4.1	I
791	Corrosive Solids, Flammable, n.o.s.	2921	8 4.1	II
1395	Flammable Solids, Flammable, n.o.s.	2925	4.1	I

A waste with characteristics of Class 6 and Class 8 wastes.

Item No.	Shipping Name	I.D. <u>Number</u>	Classification	Packing Group
787	Corrosive Liquids,	2922	8	I
	Poisonous, n.o.s.		6.1	
788	Corrosive Liquids,	2922	8	II
	Poisonous, n.o.s.		6.1	
789	Corrosive Liquids,	2922	8	III
	Poisonous, n.o.s.		9.2	
2348	Poisonous Solids,	2928	6.1	I
	Corrosive, n.o.s.		8	
2349	Poisonous Solids,	2928	6.1	II
	Corrosive, n.o.s.		8	
2341	Poisonous Liquids,	2927	6.1	I
	Corrosive, n.o.s.		8	
2342	Poisonous Liquids,	2927	6.1	II
	Corrosive, n.o.s.		8	

Table of Precedence of Classification

From the Transportation of Dangerous Goods Regulations SOR/85-77.

				C	LASSIF	ICATIO	N/PAC	KING	GROUP	•						
Col. I CLASSIFICATION Packing Group	Col. II 4.2 I or II	Col. #/ 4.3 or !	Col. IV 5.1 I	Col. V 5.1 II	Col. VI 5.1 III	Col. VII 6.1	Col. VIII 6.1 (i)	Col. IX 6.1 (D)	Col. X 6.1 II (O)	Col. XI 6.1 III	Col. XII 8 (L)	Col. XIII 8 (S)	Col. XIV 8 II (L)	Col. XV 8 II (S)	COI. XVI 8 III (L)	Col. XVII 8 III (S)
3	4.2 4.2 4.2 4.3 4.3 4.3 4.2 4.2 4.2	4.3 4.3 4.3 4.2 4.2 4.3 — — 4.3 4.3 4.3	3 3 4.1 4.1 4.2 5.1 5.1 5.1	333 4.1 4.1 4.2 5.1 4.3 5.1 —	33 4.1 4.1 4.2 4.2 4.3 4.3 4.3	6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	33 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	33 6.1 4.1 6.1 4.2 6.1 4.3 6.1 5.1 6.1	33 6.1 4.1 4.1 4.2 6.1 4.3 6.1 5.1 5.1	333 4.1 4.1 4.1 4.2 4.2 6.1 5.1 5.1 —————————————————————————————	388 — 422 448 488 588 68888		338 — 422 442 443 551 661 661 661	4.1 4.1 8.4.2 8.4.3 8.5.1 6.1 6.1 6.1	333 — 4443333 111 1555 66611	4.1 4.1 4.2 4.2 4.3 4.3 5.1 6.1 6.1 6.1
ii (6)						=	_		=	_	8	6.1 8 8	8	6.1 8	6.1 8	6.1

(i) INHALATION TOXICITY, (D) DERMAL TOXICITY, (O) ORAL TOXICITY, (L) LIQUID, (S) SOLID, — AN IMPOSSIBLE COMBINATION

Use of the Table
Where dangerous goods have a classification and packing group set out in Column I, and a classification and packing group set out in one of the headings of Column II to XVII, the classification that takes precedence is the classification that is, at the same time, opposite the classification and packing group in Column I and under the classification and packing group set out in the heading referred to above.

Note that any other class takes precedence over Class 9.1, 9.2 or 9.3.

Naming Containers

Empty containers, if classified as hazardous waste, should be given th shipping names:

"empty container which contained ______, not triple rinsed"

Non-empty containers may be called:

"container which contains ______, not empty"

The product identification number (PIN), packing group, and wast classification numbers are the same as the numbers assigned to th contents.

If the container is not empty, then the contents of the container ar considered to be the waste.

Application forms

For the manifest system

The following section includes the application forms for the manifest system:

- Hazardous Waste Consignor Registration
- Hazardous Waste Carrier Registration
- Hazardous Waste Receiver Registration

Any person or company who wants to apply for a registration number may copy and complete these forms and mail them to:

Industrial Waste and Wastewater Branch 4th floor 9820 - 106th Street Edmonton, Alberta T5K 2J6

Also included are the suggested formats for the:

- recycle docket; and
- attachment to the recycle docket.

Hazardous Waste Consignor Registration

Industrial Wastes Branch, 5th Floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



Applications to be mailed to: Director of Air and Water Approvals Division

4th Floor, 9820 - 106 Street Edmonton, AB T5K 2J6

(Fax copies may be sent to: 422-5120)

Please answer all the following questions as completely as possible. If you have any questions about this form, contact the Industrial Waste and Wastewater Branch at 427-5888.

1.	Company name:
2.	Principal contact person, their position and phone number:
3.	Mailing address:
4. —	Site location (where waste is produced/generated) if different from mailing address:
5.	Type of industry:



Hazardous Waste Consignor Registration continued Industrial Wastes Branch, 5th Floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



6.	Registration status in other provinces (list permits) if applicabl:
7.	process producing waste (how does your company acquire hazardous waste?):
8.	Waste production frequency (how often will you have to dispose of hazardous waste?): (Circle one)
	A. Continuous Batch B. Batch C. One-time Only (This type of generator number will be cancelled immediately after a shipment has been made)
9.	Number of manifest forms required for the next 6 months (Note: one form required per shipment
10.	Intended carrier (Who will pick up your waste?)
Wh	at is their Carrier Provincial I.D.#?
11.	Intended receiver (Who will the carrier be taking the waste to?)
Wh	at is their Receiver Provincial I.D.#?



Hazardous Waste Consignor Registration continued

Industrial Wastes Branch, 5th Floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



12. Please list all wastes your company intends to ship:

	Name/ Description of Waste	Class	P.I.N.	Pkg. Group	Method	Volume
Hazardous:						
Recyclable:						
Non- hazardous:						

(Attach additional sheets if needed)

- * Waste Management Method: Choose one of the following management options and enter it in this column.
- 1. Send the hazardous waste to an approved receiver for treatment in Alberta.
- 2. Send the recyclable material to an approved recycler in Alberta.
- 3. Send the hazardous waste to an approved landfill pursuant to the Waste Control Regulation.**
- 4. Send the non-hazardous waste to an approved sanitary landfill .**
- 5. Send the waste out of Alberta (indicate where and how) for recycling, treatment or disposal.
- 6. This waste will be treated and disposed of on the site of its generation.
- 7. Other (describe).
- ** If hazardous waste is to be disposed into any one of the approved landfills in Alberta, the waste characteristics relating to the disposal criteria specified in the Waste Control Regulation shall be reported in this registration.

If you require assistance naming and classifying your waste(s) please call Alberta Public Safety Services/Transportation of Dangerous Goods at 422-9600 (in Edmonton) or 1-800-272-9600 anywhere else in Alberta

Date Sig	nature of Owners, Operators, or their A	gents	
For office use only: ABG Numb	per Approved by	Date	١

ENVIRONMENTAL PROTECTION

Hazardous Waste Carrier Registration



An application for carrier registration shall be accompanied by the following information and signed by the owner, operator or his/her agent.

- 1. Name and address of applicant.
- 2. Principal contact person, his/her position and phone number.
- 3. Site address (dispatch site, terminal where vehicles are based) and name of land owner where operation is located.
- 4. Registration status in other provinces (list permits if applicable).
- 5. Waste class(es) to be carried.

Geographical area to be served.

9.

- 6. Where and how equipment will be decontaminated.
- 7. Proof of driver training and liability insurance is required by Transportation of Dangerous Goods Act and Regulation (Federal).
- 8. Declaration by corporate officer that suitable equipment is available and will be used.

-		
For office use only: ABC Number _	Approved by	Date



<u>Hazardous Waste Receiver Registration</u> Industrial Wastes Branch, 5th floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



An application for receiver registration shall be accompanied by the following information and signed by the owner, operator or his/her agent.

1.	Name and address of applicant.
2.	Principal contact person, his/her position and phone number.
3.	Site address and name of land owner where operation is located.
4.	Class of hazardous waste to be received.
5.	Geographical area to be served.
6.	Operating plan for site.
7.	Plans for dealing with rejected loads.
8.	The final destination of the wastes you received (if applicable).
9.	The environmental approval numbers and their expiry date.
10.	Does the environmental approval application include the following (please circle Y (yes) or N (no)).
	site closure plan Y N financial assurance Y N emergency response plan Y N employee training Y N
11.	Are you intending to import hazardous recyclables into Alberta? If so, Ministerial Authorization is required.
	he receiver registration should also include a copy of the documents which were not submitted in the vironmental Approval Application.
For	office use only: ABR Number Approved by Date

Recycle Docket

Industrial Wastes Branch, 5th floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



This recycle docket is equivalent to the Dangerous Goods Shipping Document for Road Transportation as required by Section 19 of the Waste Control Regulation.

SHIPPED FROM CONSIGNOR (GENERATOR) (RECEIVER)					RECEIVED BY CONSIGNEE				
NAME	,	 			NAME: _ADDRESS:				
ADDR	ESS:								
CITY					_CITY _				
CARR	IER'S NAME:								
DG	Shipping Name	Primar y Class	Subsidiary Class(es)	PIN	E or I	Packing Group	Mass or Volume	Number of Pieces	
Type o	of Placards:					Number o	f Placards: _		
SPECI	IAL HANDLI	NG INSTR	UCTIONS:						
				(24-HC	<u>)UR EMI</u>	<u>ERGENCY</u>	<u>NUMBER</u>	<u>1-800-222-6514</u>)	
EMER	RGENCY INFO	ORMATIO	N:						
Consig	gnor's (Generate	or's) 24 Ho	ır Emergency	Telepho	ne Numbe	er:			
SUMN	MARY OF EM	ERGENCY	Y PLAN:						
Plan re	ference number	r:		Plan Ac	ctivation T	Telephone N	Number:		
Consig	gnor's (Generate	or's) Signat	ure or Mark: _						
Date:			Recycl	e Docket	et Number:				
NOTE	: THIS FORM	SHALL BI	E KEPT BY T	HE REC	CYCLER I	FOR AT LI	EAST 2 YEA	ARS.	



Attachment to Recycle Docket

Industrial Wastes Branch, 5th floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847



This document is equivalent to the multiple pickup and delivery document authorized under the Transportation of Dangerous Goods Act and Regulations.

INSTRUCTIONS:

- use only for multiple pick-ups ("milk-runs")
- enter only hazardous recyclables of the same type (for example, all lube oil on this page)
- all items must go to the one consignee (receiver) indicated on the covering recycle docket

an items must go to the one consignee (receiver) indicated on the covering recycle docker	
The hazardous recyclable described on this form is called	
The covering recycle docket number is	

Consigno r (Generat or)	Name of the Consignor (Generator) of the Hazardous Recyclable	Location from which the Hazardous Recyclable Originated	Amount of Hazardous Recyclable Kg or Litres times the Number of Pieces	Signature of Consignor (Generator) or Authorized Representativ
2				
3				
4				
5				
6				
7				
8				
9				
10				

NOTE: THIS FORM SHALL BE KEPT BY THE RECYCLER FOR AT LEAST TWO YEARS



Ministerial Authorization to Import Hazardous Recyclables

Waste Control Regulation, Section 22

Address to: Director of Chemicals Assessment and Management

Alberta Environmental Protection

5th Floor, Oxbridge Place, 9820 – 106 Street

Edmonton, Alberta T5K 2J6

Inquiries to: Industrial Wastes Branch, (403) 427-5847 or above address.

Required Information

- 1. Receiver's name and address. Contract person, telephone and fax number.
- Location(s) in Alberta which will receive imported material.
 Type of material to be handled at each site.
 Permits/licenses/approvals held for the receiving locations from any regulatory agency.
- 3. Description of material for importation (eg. classification, source, phase).
- 4. Estimated annual amount to be imported. Fraction of processing capacity utilized by imports.
- 5. Recycling process(es) to be used (eg. process description, yields, type of residue and disposal option, emissions). Fraction of recyclable used or recovered. If off-site, name and location of recycler(s).

Desirable Information

- 6. Economic value of recyclable. Importance of recyclable to facility viability. Any incremental ne investment required to handle imported fraction.
- 7. Incremental environmental impact resulting from processing imported material.

Note: A hazardous waste manifest is required for all transborder shipments, therefore, a Personal

Identification Number (receiver number) will also be required. Applications for this

number can be obtained from the Industrial Wastes Branch.





<u>Document Update Request Form</u> Industrial Waste Branch, 5th floor, 9820 – 106 Street, Edmonton, Alberta T5K 2J6 (403) 427-5847

The Industrial Wastes Branch intends to publish and distribute regular updates of the Alberta User Guide for Waste Managers. In order to be kept informed of advances in this publication, it is essential that the following information be provided to the Industrial Wastes Branch.

Name		
Title and/or Department		
Organization		
Address		
	Postal Code	

Alberta Environmental Protection Industrial Wastes Branch

5th Floor 9820 – 106 Street Edmonton, Alberta Environmental Protection T5K 2J6

Phone: 403-427-5847 FAX: 403-422-4192



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Alberta User Guide for Waste Managers PART 3



Approvals for Waste Management Facilities

Includes a section-by-section guide to the Regulation and answers to the most commonly asked questions.



March, 1995



Alberta User Guide for Waste Managers **PART 3**

Approvals for Waste Management Facilities

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A. Who needs to submit an EIA report?		
Who needs an AEPEA approval?		
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Alberta User Guide for Waste Managers PART 3 – A



Approvals for Waste Management Facilities

This section deals only with approvals required under AEPEA. Additional approvals for waste management facilities may be required by other regulatory agencies.

Who needs to submit an environmental impact assessment (EIA) report?

The first step in the approvals process is to determine whether an environmental impact assessment (EIA) report is required. The following waste management activities are subject to mandatory EIA screening (see subsections (z) and (aa) of Schedule 1 of the Environmental Assessment (Mandatory and Exempted Activities) Regulation and Section 42(1) of AEPEA):

- a hazardous waste incinerator that accepts hazardous waste from an off-site source; or
- a landfill that accepts hazardous wastes from an off-site source.

Further information regarding the EIA screening process is available from th Environmental Assessment Division at 427-6270.

Who needs an AEPEA approval?

Sections 58 and 59 of AEPEA and Section 2 of the Activities Designation Regulation require an approval under AEPEA for the following activities: (this list is taken from the Schedule of the Activities Designation Regulation DIVISION 1: WASTE MANAGEMENT and the amendments of Sept. 22, 1993 have been incorporated). Excerpts from the Regulation are shown in bold type.

Treatment

(a) the construction, operation or reclamation of a fixed facility where more than 10 tonnes per month* of waste are treated including, without limitation, a facility using activated carbon adsorption, distillation, electrolytic techniques, hydrolysis, ion exchange, solvent extraction, membrane separation, air and steam stripping, evaporation, freeze crystallization, filtration, neutralization, chemical precipitation, photolysis, oxidation, reduction, dehalogenation, ozonation, separation, solidification stabilization, incineration, wet oxidation, pyrolysis, thermal oxidation, molten glass processes, deep shaft wet air oxidation, supercritical water oxidation, plasma systems, catalytic incineration, aerobic or anaerobic digestion or an enzymatic system in the treatment process, but not including an analytical laboratory or a facility that engages in research;

*note: interpreted as also meaning 10,000 litres/month

"Treat" is defined in 1(ppp) of the Act as: "to apply any method, technique or process, including, without limitation, neutralization and stabilization, that is designed to change the physical, chemical or biological character or composition of a substance". This is interpreted as including even such operations as drying, dewatering, dismantling, and size reduction.

Mobile facilities

(b) the operation of a mobile facility carrying out any of the treatment processes referred to in clause (a) where it operates at one location for 5 consecutive days or more at a time and treats more than 10 tonnes of waste per month*;

*note: interpreted as also meaning 10,000 litres/month

Both of these conditions must be exceeded before an approval will be required.

Fuel blenders

(c) the construction, operation or reclamation of a facility for the collection and blending of hydrocarbons and organics to produce fuel that is derived from waste where more than 10 tonnes of waste per month are used for these purposes;

note: interpreted as also meaning 10,000 litres/month

Land treatment

(d) the construction, operation or reclamation of a facility where land treatment of waste is carried out in amounts greater tha 10 tonnes per month;

note: interpreted as also meaning 10,000 litres/month

Boilers and heaters

the construction, operation or reclamation of a facility where (e) more than 10 tonnes per month of fuel derived from waste are burned in industrial boilers or industrial process heaters, if the fuel is from a source other than a facility governed by clause (c);

note: interpreted as also meaning 10,000 litres/month

Hazardous and recyclables storage

- the construction, operation or reclamation of a facility (f)
 - (i) that is engaged only in the storage of hazardous recyclables and is not engaged in any other aspect of recycling them, and

Here "engaged only in the storage of hazardous recyclables" means the facility is not engaged in another activity that requires an approval under AEPEA, for example, a chemical manufacturing plant or other activity described under Division 2 of the Schedule of the Activities Designation Regulation. If the facility is engaged in some other "unscheduled" activity such as dry cleaning, then the facility will require an approval to store hazardous recyclables if A or B, below, are exceeded.

(ii) at which

(A) a hazardous recyclable is sto red for a continuous period of more than 365 days, or

Here "for a continuous period of more than 365 days" means that a particular hazardous recyclable item remains at the plant ("gathering cobwebs") for more than 365 days. If hazardous recyclable items are always on site, but each individual item moves off the plant site within 365 days of its arrival, then this section does not apply.

(B) more than 10,000 litres of hazardous recyclables is stored at any one time; (note: interpreted as also meaning 10 tonnes)

No approval is required for pesticide container storage sites controlled by a local authority.

Hazardous waste storage

- (g) the construction, operation or reclamation of a facility
 - (i) that is engaged only in the storage of hazardous waste and is not engaged in any other aspect of the treatment of the waste, and

Here "engaged only in the storage of hazardous waste" means the facility is not engaged in another activity that requires an approval under AEPEA, for example, a chemical manufacturing plant or other activity described under Division 2 of the Schedule of the Activities Designation Regulation. If the facility is engaged in some other "unscheduled" activity such as dry cleaning, then the facility will require an approval to store hazardous waste if A or B, below, are exceeded.

No approval is required for pesticide container storage sites controlled by a local authority.

(ii) at which

(A) a hazardous waste is stored for a continuous period of more than 365 days, or

Here "for a continuous period of more than 365 days" means that a particular hazardous waste item remains at th plant ("gathering cobwebs") for more than 365 days. If hazardous waste items are always on site, but each individual item moves off the plant site within 365 days of its arrival, then this section does not apply.

(B) more than 10,000 litres of hazardous waste is stored at any one time; (note: interpreted as also meaning 10 tonnes)

Third party hazardous waste storage

(h) notwithstanding clause (g), the construction, operation or reclamation of a facility where hazardous waste is stored and some or all of the hazardous waste is produced by a perso other than the owner of the facility;

This means that if you store somebody else's hazardous waste in any amount and for any length of time, then you need an approval.

No approval is required for pesticide container storage sites controlled by a local authority.

Recyclers

- (i) the construction, operation or reclamation of a facility for processing hazardous recyclables, except a facility for processing;
 - (i) spent process and lube oil filters for volume reduction and liquid removal by compaction or draining, or
 - (ii) recyclables in an amount less than 10 tonnes per month; (note: interpreted as also meaning 10,000 litres)

The processing of nonhazardous recyclables, such as tire shredding, glass pulverizing etc., does not require an AEPEA approval. However, if the operation is expected to have a significant adverse effect, it may be in the operator's best interest to obtain an approval even if th activity is not listed. This is discussed in more detail at the end of this section.

Industrial landfills

the construction, operation or reclamation of a landfill where (j) hazardous or industrial waste is disposed of:

> note: industrial waste is defined in Section 3(d) of the Activities Designation Regulation as "waste that is generated by an industrial process or as the result of the construction, operation, demolition or reclamation of an industrial site, but does not include industrial wastewater effluent or gaseous emissions".

What is an industrial landfill?

In turn, an industrial site is interpreted to mean:

a site at which any of the activities listed in Section 2 of th Schedule of Activities takes place. The Schedule of Activities is found at the back of the AEPEA, and includes the following:

The construction, operation or reclamation of a plant, structur or thing for:

- (a) the manufacture or processing of petroleum products, (unless the waste is regulated by ERCB);
- (b) the manufacture or processing of natural gas, its products or its derivatives, (unless the waste is regulated by ERCB);
- (c) the manufacture or processing of chemical and allied products;
- (d) the manufacture or processing of pulp and paper products;
- (e) the manufacture or processing of stone, clay or glass products;
- (f) the manufacture or processing of cement and lime products;
- (g) the manufacture or processing of fertilizer products;
- (h) the manufacture or processing of primary metal or me al products;
- (i) the manufacture or processing of wood or wood products;
- (j) the manufacture of asphalt or ready-mixed concrete;
- (k) the processing of coal, heavy oil, oil sands or minerals, (unless the waste is regulated by ERCB);
- (l) the processing of food;
- (m) the manufacture or processing of secondary food products, beverages or animal by-products;
- (n) the generating of thermal electric power or steam;

- (o) the generating of hydro-electric power;
- (p) the processing of wastewater sludges;
- (q) the application to land of non-livestock generated wastes, wastewaters and wastewater sludges;
- (r) the manufacture of animal feed;
- (s) seed cleaning or forage drying;
- (t) the storage, treatment, processing or disposal of hazardous waste;
- (u) the combustion of solid, liquid or gaseous fuels or wastes;
- (v) the storing and processing of hazardous recyclables;
- (w) the storing and processing of designated material;
- (x) the manufacture or use of biotechnology products;
- (y) the manufacture or processing of explosives;
- (z) the manufacture or processing of sulphur products;
- (aa) the storage, treatment, processing or disposal of batteries;
- (bb)the processing or mining of salt;
- (cc) the surface storage of brine associated with hydrocarbon storage facilities;
- (dd)the coating of pipe or wire;
- (ee)the cleaning of containers;
- (ff) the blending of chemicals and paints;
- (gg)the preserving of wood;
- (hh)the process of electroplating; or
- (ii) any other industrial, manufacturing or processing purpos (unless the waste is regulated by ERCB).

This means that any landfill accepting industrial waste in Alberta, other than landfills accepting solely oilfield waste, need an approval under AEPEA. Section 243(10) of AEPE allows operators of this type of facility until January 1, 1995 to submit a completed application for an approval.

Container and drum washers

the construction, operation or reclamation of a facility for (k) cleaning empty containers as defined in the Hazardous Waste Regulation where the nominal capacity of the facility is greater than 10,000 litres per day combined container volume;

> "Empty container" is defined in the Hazardous Waste Regulation (and in the Waste Control Regulation), as, "a container that contains less than 2.5 centimetres of residue at the bottom of th container or less than 3% of the original contents, whichever is th lesser amount". Note that a "container" is defined in the Wast Control Regulation as "any portable device in which hazardous waste is stored". This is interpreted to include any portable devic in which goods listed on Table 4 were held.

Open burning

the burning of prohibited debris by means of an open fire. (1)

> note: prohibited debris is defined in Section 3(k) of the Activities Designation Regulation and includes but is not limited to "animal cadavers; animal manure; pathological waste; non-wooden material; waste material from building or construction sites, excluding wooden materials that do not contain wood preservatives; combustible material in automobile bodies; tires; rubber or plastic, or anything containing or coated with rubber or plastic or similar substances, except rubber or plastic attached to shredded scrap steel; solid waste from sawmills or planing mills with an annual production in excess of 6500 cubic metres of lumber; used oil; wood or wood products containing substances for the purpose of preserving wood".

Oil field facility exemptio

NOTE: 1 Clauses (a) to (l) do not apply if the activity referred to is carried out at an oilfield waste-related facility. (See definition in Section 3(h) of Activities Designation Regulation. A facility taking a mixture of oilfield and non-oilfield waste will be regulated by AEP, not by the ERCB.)

Restriction and research exemptio

- NOTE: 2 The exemption provided in clause (a) in respect of a facility that engages in research does not apply to the facility's carrying out a technology demonstration to determine the suitability of a waste treatment process prior to its commercial application if:
 - (a) the technology used in the treatment process has not been used in Alberta before;
 - **(b)** the operating period, excluding construction set-up time and decommissioning but

including down time, exceeds 3 months; or

(c) the total amount of waste processed during the operating period exceeds 500 tonnes.

Application forms

Section 3(1) of the Approvals Procedure Regulation sets out the required contents of an application for an AEPEA approval. These requirements have been included in the application forms available from the Industrial Wastes Branch. Therefore, the applicant has no need to refer to Section 3(1) of the Approvals Procedure Regulation.

The Director may waive any of these requirements or may ask for additional information to be included in an application for an approval (S.3(1)(s)) and S.3(2) of the APR).

Additional information requirements for waste management facilities ar described in the application forms available from the Industrial Wastes Branch.

Where an operation or undertaking consists of or includes more than one activit listed in the Schedule, the Director may issue one approval that covers all of th activities and comprises all of the required approvals (see Section 3 of th Activities Designation Regulation).

Alberta User Guide for Waste Managers **PART 3 – B**



Guide to the Regulation Section-by-Section

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* NOTE: Sections 30 to 33 do not apply to this guide.





Note:

This information is a guide only, and does not take precedence over the legislation. The changes made under the Waste Control Amendment Regulation (257/93 September 22, 1993) have been incorporated here. Excerpts from the Regulation are shown in bold typeface.

Section 1 Definitions

In this Regulation,

(a) "Act" means the Environmental Protection and Enhancement Act:

The Act and the Regulations are available from the Queen's Printer at 427-4952 in Edmonton or 297-6251 in Calgary.

(b) "carrier" means a person who accepts hazardous waste for transportation or transports hazardous waste;

The Hazardous Waste Carrier Registration form is included in Part 2 of this Guide.

(c) "consignor" means a person who consigns hazardous waste for storage, transportation, treatment or disposal;

The Hazardous Waste Consignor Registration form is included in Part 2 of this Guide

- (d) "container" means any portable device in which hazardous waste is stored;
- (e) "Director" means the person designated as Director for the purposes of this Regulation by Ministerial order;
- (f) "dispersible form" means any of the following or a mixture o them:
 - (i) a liquid;
 - (ii) a solid that can pass through a 9.5 mm mesh opening;
 - (iii) a friable solid that can be reduced by grinding in a mortar and pestle to a particle size that can pass through a 9.5 mm mesh opening;

Dispersible forms are discussed in Part 1B - Compilation of Test Methods. Wastes which are not in a dispersible form are not subject to the leachate test and are not considered to be hazardous based on what they contain. They may however, be hazardous based on their properties such as flammability, corrosivity, toxicity, etc.

(g) "dispose" with respect to waste means to intentionally place waste on or in land as its final resting place;

The term "dispose" is used in Sections 14.1, 14.3, and 14.4 which describe landfill prohibitions. The term is also used in Section 16 which deals with importation. For the purposes of Section 16, disposal is interpreted to mean intentionally placing waste on or in

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land, air, or water as its final resting place. For example, a person would not be allowed to import waste for the purpose of disposing of it into a river.

- (h) "empty container" means a container that contains less than 2.5 centimetres of residue at the bottom of the container or less than 3% of the original contents, whichever is the lesser amount;
- (i) "farmer" means a person engaged in primary production in an agricultural, horticultural or arboricultural operation for financial gain
- (j) "Federal Regulations" means the Transportation of Dangerous Goods Regulations (SOR/85-77) made under the Transportation of Dangerous Goods Act, 1992 (Canada);
- (k) "hazardous recyclable facility" means a facility for storing and processing hazardous recyclables;
- (l) "hazardous waste" means waste described in Schedule 1, but does not include oilfield waste or waste excluded by section 3;

Oilfield wastes are excluded from the definition of hazardous waste and are not regulated under the Waste Control Regulation. For example, the manifesting requirements do not apply to oilfield waste. However, oilfield wastes are regulated by the ERCB in a manner equivalent to the requirements of the Waste Control Regulation.

(m) "hazardous waste management facility" means a facility for the collection, storage, treatment or disposal of hazardous waste, but does not include an on-site facility;

This term is used only in Sections 12(1) "Records" and 23(a) "Security Required" of this Regulation.

- (n) "heavy oil site" means the field production facilities for recovering heavy oil by drilling and includes any injection or pumping facilities, any associated infrastructure and any processing facilities;
- (o) "internal volume" means the nominal capacity of a container;
- (p) "liquid hazardous waste" means hazardous waste that is a liquid as determined by a method specified by the Director;

The term "liquid" is defined in Part 1B of this User Guide Compilation of Test Methods.

(q) "oilfield waste" means an unwanted substance or mixture o substances that results from the construction, operation or reclamation of a well site, oil and gas battery, gas plant, compressor station, crude oil terminal, pipeline, gas gathering system, heavy oil site, oil sands site or related facility;

Oilfield wastes are excluded from the definition of hazardous waste. (see Section 1(L)). Oilfield wastes, regardless of their

properties or composition, are regulated by the ERCB in a manner equivalent to this Regulation. Examples of oilfield wastes may include even such things as PCBs or mercury if they are generated at a compressor station, gas plant, etc. Oilfield wastes remain oilfield wastes from "cradle-to-grave" and, once generated, ar never regulated under the Waste Control Regulation.

(r) "oil sands site" means the field production facilities for recovering oil sands by drilling or other in situ recovery methods and includes any injection or pumping facilities, any associated infrastructure and any processing facilities;

Waste generated at mining oilsand sites is not called oilfield wast and is not excluded from the Waste Control Regulation.

(s) "on-site facility" means a facility that is used solely to deal with hazardous waste generated on property owned by the owner of the facility;

This definition is used only in the definition of a hazardous wast management facility.

(t) "receiver" means a person who receives hazardous waste for storage, treatment or disposal;

The Hazardous Waste Receiver Registration form is included in Part 2 of this Guide. For the purposes of this definition, disposal is interpreted to mean intentionally placing waste on or in land, air, or water as its final resting place.

- (u) "unrinsed empty container" means an empty container that previously held a hazardous waste;
 - (i) that has not been rinsed 3 times, using for each rinse a clea solvent that is in an amount equal to 10% of the container volume and that is capable of removing the previously contained hazardous waste, or
 - (ii) that, in the opinion of the Director, has been rinsed or cleaned by a method that does not produce results equal to or better than those produced by the method set out i subclause (i).

In the absence of any analytical work or knowledge to the contrary, the rinsate should be assumed to be hazardous and should b managed as such. Rinsates from pesticide containers are excluded if the container held a pesticide listed on Schedule 3 or 4 of the Pesticide (Ministerial) Regulation, or if they are in the possession of a farmer, or while being transported to or managed within a collection system controlled by a local authority.

Division 1 Hazardous Waste

Section 2 Application

This Division does not apply to hazardous waste handled as a hazardou recyclable under Division 2 rather than as a hazardous waste.

The following exclusions are discussed in Part 1A - Step 2 of this Guide

Section 3 Things that are not hazardous waste

The following exclusions are discussed in detail in Part 1A - Step Two of this Guide.

The following are not hazardous waste for the purposes of the Act or th Regulations under the Act:

- (a) household waste in the possession of the householder or while unsegregated in a municipal waste management system
- (b) wastes generated by farmers in
 - (i) the growing and harvesting of crops, or
 - (ii) the raising of animals, including animal manures returned to the soil as fertilizers;
- (c) domestic sewage;
- (d) radioactive wastes regulated under the Atomic Energy Control Act (Canada);
- (e) wastes resulting from emergency spill clean-ups, if the Director or an investigator has authorized the handling of the clean-up debris:
- (f) biological waste and pathological waste as defined in the Waste Management Regulation (Alta. Reg. 250/85) under the Public Health Act:
- (g) waste described in Schedule 1 (other than those substances listed in Table 4, Part B of the Schedule of the Alberta User Guide for Waste Managers published by the Department, as amended from time to time) that is produced in an amount less than 5 kilograms per month if a solid or 5 litres per month if liquid and the total quantity accumulated does not exceed 5 kilograms or 5 litres at any one time;
- (h) waste resulting from the treatment of hazardous waste where the treatment employs a method, technique or process that represents acceptable industry practice.

These "acceptable" practices are listed in Part 1A of this Guide, for example, the methods used to sparge drycleaning filters with steam. "Acceptability" is determined by the Director. In making this decision the Director will ask questions such as:

- Is the waste generated in small quantities?
- Is the waste produced by a small business?

- Is the waste treated at the site where it is generated?
- •Is the waste being treated by the generator?

Generators who can answer "yes" to these questions will be more likely to receive an exemption.

Section 4 Personal identification numbers (PINs)

An application for a personal identification number (PIN) under sectio 179(2) of the Act must be submitted to the Director in a form acceptable to the Director.

Application forms for consignors, carriers and receivers are included in Part 2 of this Guide.

Section 5 Exemptions

Sections 179 and 182 of the Act do not apply to a person who consigns, transports or accepts for transportation a hazardous waste from the site on which the hazardous waste is produced to another site that is owned by the same person who owns the site on which the hazardous waste is produced, i

- (a) the person in charge of the vehicle transporting the hazardous waste displays on the vehicle a placard that corresponds to th placard set out as Figure 19 in Part III of Schedule V of the Federal Regulations, and
- (b) the shipment is accompanied by a shipping document that shows the hazard class, the emergency response contact, the total mass or volume of each of the hazardous wastes to whic the shipping document relates and the number of packages, where applicable.

Section 6 Form of manifest

The manifest referred to in Section 182 of the Act must be in the form for the manifest set out in the federal Regulations.

These forms are available from the Industrial Wastes Branch at 427-5847.

Section 7 Manifest Completion

The section "How to complete the manifest form" is in Part 2 of this Guide

The consignor, carrier and receiver of a hazardous waste shall complete the applicable parts and copies of the manifest to the satisfaction of the Director.

Section 8 Generator's and consignor's manifest duties

- (1) A consignor, on consigning a hazardous waste, shall;
 - (a) sign all copies of the manifest, and ensure that the carrier certifies receipt of the hazardous waste,
 - (b) mail the first copy of the manifest to the Director within 2 days, excluding Saturdays and holidays, after consigning the hazardous waste,
 - (c) retain the 2nd copy for at least 2 years following the consignment, and
 - (d) deliver the 3rd, 4th, 5th and 6th copies to the carrier.
- (2) The consignor of hazardous waste that is shipped out of Alberta shall ensure that a copy of the manifest completed by the out-of-province receiver is given to the Director, the carrier, the consignor and, if the waste is shipped out of Canada, to Environment Canada.

Section 9 Carrier's manifest duties

A carrier, on accepting hazardous waste for transportation, shall;

- (a) sign all copies of the manifest,
- (b) return the first and 2nd copies of the manifest to the consignor,
- (c) ensure that the 3rd, 4th, 5th and 6th copies accompany the hazardous waste during transportation, and
- (d) deliver the 3rd, 4th, 5th and 6th copies to the receiver.

Section 10 Receiver's manifest duties

- (1) A receiver, on accepting hazardous waste for storage, treatment or disposal, shall;
 - (a) sign the 3rd, 4th, 5th and 6th copies of the manifest and return the 4th copy to the carrier,
 - (b) mail the 3rd copy to the Director within 2 days, excluding Saturdays and holidays, after receiving the hazardous waste,
 - (c) retain the 5th copy for at least 2 years after receiving the hazardous waste, and
 - (d) mail the 6th copy to the consignor within 2 days, excluding Saturdays and holidays, after accepting the hazardous waste.
- (2) The receiver of hazardous waste generated outside of Alberta shall ensure that the Director (and, if the waste was generated outside o Canada, Environment Canada) receive a copy of the manifest.
- (3) The consignor shall retain the 6th copy of the manifest referred to i subsection (1)(d) for at least 2 years following its receipt from the receiver.

Section 11 Multiple carrier's manifest

- (1) If multiple carriers are used for a consignment of hazardous waste,
 - (a) the consignor shall complete a separate manifest and comply with section 8 with respect to each carrier;
 - (b) each carrier, on accepting hazardous waste for transportation, shall
 - (i) sign one manifest form and return copies 1 and 2 of that form to the consignor, and
 - (ii) deliver the remaining copies and remaining manifest forms to the receiver or next carrier;
 - (c) the receiver shall, on accepting the hazardous waste for storage, treatment or disposal,
 - (i) sign the 3rd, 4th, 5th and 6th copies of all manifest forms,
 - (ii) cross-reference all of the manifests,
 - (iii) mail the 3rd copy of each manifest form to the Director within 2 days, excluding Saturdays and holidays, after accepting the hazardous waste,
 - (iv) mail the 4th copy of the appropriate manifest to each carrier,
 - (v) retain the 5th copy of each manifest for at least 2 years after receiving the hazardous waste, and
 - (vi) mail the 6th copy to the consignor within 2 days, excluding Saturdays and holidays, after accepting the hazardous waste.
- (2) The consignor shall retain the 6th copy of the manifest referred to i subsection (1)(c)(vi) for at least 2 years following its receipt from the receiver.

Section 12 Records

(1) Subject to any terms and conditions of an approval, the Director may, by notice in writing to an operator of a hazardous waste management facility, require the operator to keep records in the form and manner and containing the information specified by the Director in the notice.

Note that the definition of a hazardous waste management facility does not include an "on-site facility". Therefore, an on-site facility would not b regulated under this section.

- (2) An operator who receives a notice under subsection (1) shall comply with it.
- (3) An operator shall keep information in a record referred to in subsection (1) for at least 5 years after the information was entered i the record.

An AEPEA approval may require records to be kept for longer than 5 years. Operators of hazardous recyclable facilities should refer to Section 21 of

this Regulation which deals with information retention requirements. Section 13.1(5) describes the information requirements for a person storing PCB waste.

Section 13 Storing hazardous waste

- (1) A person who stores hazardous waste shall store it in an amount and i a manner so that;
 - (a) it will not cause an adverse effect,
 - An adverse effect is defined in Section 1(b) of the Act as impairment of or damage to the environment, human health or safety, or property.
 - (b) any leakage is contained and prevented from entering into the remainder of the storage site and places beyond, including sewers and the ground underneath the site, and
 - (c) at least secondary containment is provided for liquid hazardou waste, and there are no openings in the secondary containment system that provide a direct connection to the area surrounding the system,
 - (d) the hazardous waste is adequately labelled, stating the identity of the hazardous waste that is being stored,
 - (e) incompatible hazardous wastes are stored in such a manner that there will be no contact between them, even in the event of release, and
 - (f) routine inspections of the storage site can be performed.
- (2) A person who stores hazardous waste shall ensure that the waste is stored in a place that
 - (a) is secure from entry by unauthorized persons,
 - (b) is prominently identified as a hazardous waste storage site,
 - (c) is equipped with suitable equipment to handle emergency situations,
 - (d) is provided with operators trained to respond to emergency situations specific to the waste stored, an
 - (e) is designed and maintained so that surface run-off water cannot enter the secondary containment system.
- (3) Subsection (2)(b) applies only to a storage site whose only function is the storage of hazardous waste, and does not apply to a storage site that is located in or is part of a larger manufacturing, processing or other operation.

AEPEA approvals may set out additional requirements for hazardous wast storage.

Section 13.1 Storage of PCBs

Section 13.1 is added after section 13: in accordance with the Waste Control Amendment Regulation 257/93 of September 22, 1993.

- (1) In this section,
 - (a) "PCB" means chlorobiphenyls that have a molecular formula of C12H10 -nCln, in which "n" is greater than 2;
 - (b) "PCB equipment" means any equipment, machinery or similar manufactured item, including a capacitor and an electrical transformer, that contains a PCB liquid, PCB solid or PCB substance;
 - (c) "PCB liquid" means a liquid that contains more than 50 mg o PCBs per kilogram of the liquid;
 - (d) "PCB solid" means a solid that contains more than 50 mg of PCBs per kilogram of the solid;
 - (e) "PCB substance" means a substance, other than PCB liquid or PCB solid, that contains more than 50 mg of PCBs per kilogram o the substance;
 - (f) "PCB waste" means any PCB liquid, PCB solid, PCB substance or PCB equipment that is stored as waste.
- (2) In determining the quantity, volume or weight of PCB waste for the purposes of subsection (3), the total amounts stored in or around one site that is under the responsibility of the same person shall be added together.
- (3) Subject to the terms and conditions of an approval, a person who stores PCB waste in the following amounts shall register with the Director i accordance with subsection (4) and keep and provide records i accordance with subsections (5) and (6):

A person who holds an approval to store PCB waste does not need to register with the Director. An approval holder is considered to be registered. person who on the coming into force of this Regulation is registered as required under Ministerial Order No. 04/89 dated March 4, 1989 is also deemed to be registered under this section, and does not need to reregister (S. 36.1 Waste Control Amendment Regulation)

- (a) PCB liquids in an amount of 100 L or more;
- (b) PCB solids or PCB substances in an amount of 100 kg or more;
- (c) PCB liquids, PCB solids or PCB substances or a combination o any of them, in an amount less than that referred to in clause (a) or (b), that contain one kg or more of PCB;
- (d) PCB equipment that contains an amount of PCBs, PCB liquids, PCB solids or PCB substances referred to in any o clauses (a) to (c).

Section 13.1

continued

- (4) An application for registratio
 - must be made not later than 30 days after the person first stores PCB waste in amounts referred to in subsection (3), and
 - (b) must disclose the name of the person, the location of the storage site and a description and inventory of the PCB waste that is stored at the site.
- (5) The records referred to in subsection (3) must contain the following information:
 - (a) with respect to each item of PCB waste received at the storage site,
 - (i) the date of receipt of the PCB waste,
 - (ii) the quantity of PCB waste received,
 - (iii) a description of the PCB waste, including, where applicable, the nameplate description, the serial number and the PCB registration number,
 - (iv) the condition of the PCB waste,
 - (v) the source of the PCB waste,
 - (vi) the name of the carrier of the PCB waste, and
 - (vii) the name of the individual who received the PCB waste;
 - (b) with respect to each item of PCB waste removed from the storage site,
 - (i) the date of removal of the PCB waste,
 - (ii) a description of the PCB waste, including, where applicable, the nameplate description,
 - (iii) the condition of the PCB waste,
 - (iv) the name of the carrier of the PCB waste,
 - (v) the destination of the PCB waste, and
 - (vi) the name of the individual authorizing the removal of the PCB waste;
 - (c) the results of any inspections conducted and any action taken as a result of those inspections.

A person who keeps records under subsection (5) shall provide a copy of the records to the Director on January 1 and July 1 of each year containing the required information for the preceding 6 month period.

For practical reasons, the person is allowed a grace period of 30 days following these dates to submit this information to the Director. No enforcement action will be considered during this grace period. It is often impossible for a person to compile the information and submit it on the same day.

Section 14 Landfills

(1) No person shall dispose of hazardous waste into a landfill.

Do not confuse these landfill restrictions with the definition of hazardous wastes given in Section 1 (L).

Hazardous waste landfill approvals issued under AEPEA prohibit many of the following wastes from being accepted at the landfill. That is, the landfill approval is often more restrictive than this Regulation. See also Figure 5.

(2) Subsection 1 does not apply to a person disposing of the following types of hazardous waste in the applicable landfill as described in subsectio (3) or (4):

In order to be legally landfilled, the hazardous waste must meet ALL of th following requirements. The determination of whether a waste is restricted occurs at the point of generation. A generator may use knowledge of th waste to determine if it is subject to the land disposal restriction; however, documentation substantiating this determination must be kept on th generator's files. Subsequent dilution to make the waste nonhazardous or to make a waste landfillable is prohibited by Section 17(1) of this Regulation.

Recirculation of leachate within a cell at a landfill is acceptable even if th leachate is so concentrated that it exceeds the landfill prohibitions. This practice is not considered to be "disposal" under Sections 14(1) and 14(2) of the Waste Control Regulation.

The associated Test Methods are described in Part 1B - Compilation of Test Methods.

- (a) solid hazardous waste containing one or more halogenated organic compounds in a total combined concentration less tha 1000 milligrams per kilogram;
- (b) liquid hazardous waste containing one or more halogenated organic compounds in a total combined concentration less tha 100 milligrams per kilogram, of which no more than 50 milligrams per kilogram is polychlorinated biphenyl;
- (c) liquid or solid hazardous waste containing one or more of the following compounds in a total combined concentration less tha 1000 milligrams per kilogram:

acetone • isobutanol benzene • methanol

n-butyl alcohol
 methyl ethyl ketone

carbon disulfide
 nitrobenzene

• cresols and cresylic acid • 2-nitropropane

• cresois and cresync acid • 2-mtropropane

cyclohexanone • pyridine ethyl acetate • toluene

ethyl benzene toluene xylene

ethyl ether

- (d) any substance or mixture of substances that ignites and propagates combustion according to the test methods that describe spontaneously combustible hazardous waste, provided that those substances or mixtures of substances;
 - (i) are not liable to ignite and propagate combustion under the conditions of disposal, and
 - (ii) are not liable to emit flammable gases under the conditions of disposal;
- (e) liquid hazardous waste containing any of the following substances in a concentration less than that shown:

•	Arsenic	500 milligrams per kilogram;
•	Berylliu	100 milligrams per kilogram;
•	Cadmium	100 milligrams per kilogram;
•	chromium hexavalent	500 milligrams per kilogram;
•	lead	500 milligrams per kilogram;
•	mercury	20 milligrams per kilogram;
•	nickel	500 milligrams per kilogram;
•	selenium	200 milligrams per kilogram;
•	silver	100 milligrams per kilogram;
•	thalliu	200 milligrams per kilogram;
•	uranium	100 milligrams per kilogram;

- (f) solid hazardous waste producing a waste extract which contains one or more of the substances referred to in clause (e) in a concentration less than the value for that substance shown in that clause;
- (g) liquid hazardous waste containing less than 1000 milligrams per kilogram of free cyanides;
- (h) hazardous waste with a pH greater than 12.5.

Wastes with a pH greater than 12.5 may be placed in landfills which have been approved for this purpose (provided the waste is not prohibited from landfills for some other reason). Wastes with a p less than 2 may not b landfilled in Alberta. A pH in the range of 2 to 12.5 does not make a waste hazardous and these wastes may b landfilled at an approved landfill (again, provided they are not otherwise prohibited).

- (3) No person shall dispose of liquid hazardous waste described in subsection (2) in a landfill unless the landfill has;
 - (a) 2 liners of which at least one is a synthetic liner,
 - (b) a leachate collection and removal system,
 - (c) a leak detection system between the 2 liners, and
 - (d) a groundwater monitoring system.

- (4) No person shall dispose of solid hazardous waste described in subsectio (2) in a landfill unless the landfill has;
 - (a) a synthetic or clay liner,
 - (b) a leachate collection and removal system, and
 - (c) a groundwater monitoring system.

There is no transitional grace period for the requirements of 14(3) or 14(4) for existing landfills. Approvals issued under AEPEA may include additional requirements for landfills.

Section 15 Standards for landfills

No person shall construct or operate a landfill that accepts hazardous waste;

- (a) in a 100-year floodplain unless the landfill is designed, constructed, operated and maintained to prevent washout of any hazardous waste by a 100-year flood,
- (b) within 100 m of any land that is subject to slope failure,
- (c) within a wetland area or an area immediately adjacent to a wetland area so that natural drainage from the landfill would flow directly into the wetland area,
- (d) in a recharge area of an unconfined aquifer, or
- (e) within 300 m of a watercourse.

The term watercourse is defined in Section 1 (www) of AEPEA as:

- (i) the bed and shore of a river, stream, lake, creek, lagoon, swamp, marsh or other natural body of water, or
- (ii) a canal, ditch, reservoir or other man-made surface feature, whether it contains or conveys water continuously or intermittently;

For the purposes of the Waste Control Regulation, the term watercourse does not include any natural body of water or a man-made surfac feature which:

- flows or contains water only during or immediately after rainfall or snowmelt,
- exhibits little or no channel, bank or shore development, and
- whose channel or bed is vegetated.

Also, the term watercourse does not include a roadside ditch for th purposes of the Waste Control Regulation.

There is no transitional grace period for these requirements. Approvals issued under AEPEA may include additional requirements for landfills.

Section 16 **Importation**

(1) No person shall knowingly import any hazardous waste into Alberta for the purpose of storage for a period exceeding 30 days without first obtaining writte authorization from the Minister.

Also, no authorization is required for waste-in-transit which is picked up in Alberta and proceeds through Alberta, provided it is not stored on the truck for more than 30 days.

- No person shall knowingly import hazardous waste into Alberta for the purpose of disposal.
- **(3)** Subsection (2) does not apply to the disposal of residues resulting fro the treatment of imported hazardous waste.

"Disposal" is interpreted to mean intentionally placing waste on or in land, air, or water as its final resting place. For example, a person would not b allowed to import waste for the purpose of disposing of it into a river.

"Treat" is defined in 1(ppp) of the Act as: "to apply any method, technique or process, including, without limitation, neutralization and stabilization, that is designed to change the physical, chemical or biological character or composition of a substance". This is interpreted as including even such operations as drying, dewatering, dismantling, and size reduction.

For shipments entering or leaving Alberta, whether hazardous recyclables or hazardous waste, generators must classify, name and label their waste in strict compliance with the Transportation of Dangerous Goods legislation. Wastes considered "hazardous" or "special" in other jurisdictions or under TDG legislation are subject to review by the Director before importation for storage, treatment or disposal will be authorized.

The importation of oilfield waste (even with hazardous properties) is regulated by the ERCB.

Section 17 Dilution and division

No person shall mix hazardous waste with any solid or liquid for the primary purpose of dilution or of avoiding the requirements of this Regulation.

This section does not apply to stabilization or solidification technologies or to neutralization of acids or bases.

(2) No person shall divide a hazardous waste for the primary purpose o avoiding the requirements of this Regulation.

Schedule 1

(1) Waste is hazardous waste if, when tested according to test methods prescribed by the Director,

One should not confuse this definition of hazardous waste with the landfill restrictions of Section 14. Keep in mind that some hazardous wastes may b landfilled at some approved landfills in Alberta. The test methods are described in Part 1B - Compilation of Test Methods.

- (a) it has a flash point of less than 61°C,
- (b) it ignites and propagates combustion in a test sample,
- (c) it contributes oxygen for combustion at a rate that is equal to or greater than that provided by ammonium persulphate, potassiu perchlorate or potassium bromate,
- (d) it is toxic because it
 - (i) has an oral toxicity LD50 not greater than 5000 mg/kg,

Toxicity is discussed in detail in Part 1B - Compilation of Test Methods.

- (ii) has a dermal toxicity LD50 not greater than 1000 mg/kg, or
- (iii) has an inhalation toxicity LC50 not greater than 10,000 mg/m3 at normal atmospheric pressure,
- (e) it has a pH value less than 2.0 or greater than 12.5,
- (f) it contains polychlorinated biphenyls at a concentration equal to or greater than 50 mg/kg, or

PCB waste must be in a dispersible form or be PCB equipment. The test method is based on totals, not leachate.

- (g) it is a toxic leachate because it is in a dispersible form and;
 - (i) it contains at a concentration of 100 mg/L or higher any substance listed in Table 1 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time,
 - (ii) its leachate contains any substance listed in Table 2 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time in excess of the concentrations listed in that Table, or
 - (iii) is contains any of the following substances in a concentration greater than 0.001 mg/L: hexachloro-dibenzo-p-dioxins pentachloro-dibenzo-p-dioxins tetrachloro-dibenzo-p-dioxins hexachloro-dibenzofurans pentachloro-dibenzofurans tetrachloro-dibenzofurans

Sections 1 (g)(i), (ii) and (iii) are all based on the Toxicity Characteristic Leaching Procedure (TCLP) leachate test.

- (2) The following waste is hazardous waste:
 - (a) waste types listed in Table 3 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;
 - (b) commercial products or off-specification products listed in Part A of Table 4 of the Schedule fo the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;
 - (c) a container, other than an empty container, that has an internal volume greater than 5 liters and contains a substance listed i Part A of Table 4 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;

Containers are discussed in Part 1A - Step Three of this Guide.

- (d) a number of containers, other than empty containers, that have an aggregate internal volume greater than 5 litres and contained a substance listed in Part A of Table 4 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;
- (e) commercial products or off-specification products listed in Part B of Table 4 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;
- (f) an unrinsed empty container that has an internal volum greater than 5 litres and contained a substance listed in Part B of Table 4 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;

Containers are discussed in Part 1A - Step Three of this Guide.

(g) a number of unrinsed empty containers that have an aggregate internal volume greater than 5 litres and contained a substance listed in Part B of Table 4 of the Schedule of the Alberta User Guide for Waste Managers, published by the Department, as amended from time to time;

Division 2 Hazardous Recyclables

Section 18 Application

(1) This Division does not apply to hazardous waste that is handled as hazardous waste under Division 1 rather than as a hazardous recyclable.

Note that the definition of recycling in Section 1(ddd) of AEPEA excludes land application or thermal destruction. Thermal destruction is interpreted to mean thermal destruction without any benefit or heat recovery. Therefore, if hazardous material is burned as a fuel, then it is a hazardous recyclable.

(2) Section 162 of the Act and Section 20 of this Regulation do not apply to the consigning for shipment as a hazardous recyclable of less than 205 litres or less than 205 kilograms of hazardous waste referred to i Section 3(g).

This means a recycle docket is not required if a pickup is less than 205 litres or kilograms. If the truck is on a multiple pick-up run it may pick up a combined total of more than 205 litres or kilograms without any recycl dockets, ONLY IF each single pick-up is less than 205 litres or kilograms. The need to consign only to approved recycling facilities is also waived by this section. The words "of hazardous waste referred to in Section 3(g)" should be deleted from the Regulation.

Section 19 Storage

Refer to Sectio 13 which sets out the storage requirements for hazardou waste.

Section 20 Recycle docket

The recycle docket referred to in Section 162 of the Act must;

- (a) meet the requirements for the shipping document for dangerous goods described in subsection 4.8(1) of the federal Regulations, and
- (b) have an attachment showing
 - (i) the name of the consignor of the hazardous recyclable i the shipment,
 - (ii) the location from which the hazardous recyclable in the shipment originated,
 - (iii) the amount of hazardous recyclable in the shipment, and
 - (iv) the signature of a authorized representative for the consignor of the hazardous recyclable in the shipment.

Recycle dockets are discussed and a recommended format is provided in Part 2 of this Guide.

Section 21 Information

An operator of a hazardous recyclable facility shall;

- (a) keep the following information for at least 2 years from the last day of the year in which the information was produced:
 - (i) copies of all recycle dockets for hazardous recyclables received at the facility;
 - (ii) a record of releases of substances at the facility;
 - (iii) calibration and maintenance records of monitorin equipment;
 - (iv) the results of all physical inventories of hazardous recyclables at the facility;
 - (v) any other information prescribed in a notice in writing by the Director;
- (b) make the information available to the Director on the Director's request in writing.

This information shall also be made available to the Director's representative, an inspector or an investigator of Alberta Environmental Protection.

An approval may require retention of the above (and other) information for a period of more than 2 years.

Section 22 Importation

No person shall import hazardous recyclables into Alberta without first obtaining writte authorization from the Minister.

Please direct any questions regarding th authorization to the Industrial Wastes Branch (427-5847).

A modified receiver number may also be required for companies importing hazardous recyclables.

Division 3 Security

Section 23 Security required

The original Section 23 was repealed by the Waste Control Amendment Regulation (257/93 Sept. 22, 1993) and the following was substituted:

Where

(a) an approval is required in respect of a hazardous waste management facility or hazardous recyclable facility under Division 1 of the Schedule of the Activities Designatio Regulation, (Alta. Reg. 110/93) other than one referred to i clause (b), (e) or (l) in that Division, and

Here, (b) refers to mobile treatment facilities, (e) refers to wast fuel boilers and process heaters and (l) refers to the burning of prohibited debris by means of an open fire. No security is required for these activities. Note that the definition of a hazardous waste management facility does not include an "on-site facility". Therefore, an on-site facility would not be regulated under this section.

(b) the approval relates only to the facility and the facility is not part of a larger manufacturing, processing or other operatio in respect of which an approval is required,

the Director shall require the approval holder to provide security before operation or reclamation of the facility commences.

Section 24 Amount of security

- (1) Security shall be in an amount determined by the Director to be sufficient to ensure completion of conservation and reclamation as required by the Act and the Regulations and an approval based on
 - (a) he estimated costs of conservation and reclamation submitted by the applicant or approval holder,
 - (b) the nature, complexity and exte t of the facility's operations,
 - (c) the probable difficulty of conservation and reclamation, giving consideration to such factors as topography, soils, geology, hydrology and revegetation, and
 - (d) any other factors the Director considers to be relevant.
- (2) Within 30 days of any changes to the most recent conservation and reclamation plan submitted under the Approvals Procedure Regulation, the approval holder shall recalculate the applicable cost estimates and submit adjusted cost estimates to the Director.

Section 25 Adjustment of security required

- (1) The Director may increase the amount of security to be provided or may decrease the amount of security to be provided where;
 - (a) the cost of future conservation and reclamation changes,
 - (b) the extent of he operation of the facility is increased or reduced,
 - (c) the land or any portion of it is conserved and reclaimed,
 - (d) the conservation and reclamation plan in the approval is changed,
 - (e) the approval holder is conducting on the site of the facility more than one activity for which security is required, or
 - (f) any other circumstances exist that may increase or decrease the estimated cost of conservation and reclamation.
- (2) The Director may specify times or set a schedule for re-evaluating and adjusting the security provided.
- (3) The Director shall notify an approval holder of any proposed adjustment to the amount of the security.

Section 26 Form of security

Security must be in one or more of the following forms as required by the Director:

- (a) cash;
- (b) cheques and other similar negotiable instruments payable to the Provincial Treasurer;
- (c) Government guaranteed bonds, debentures, term deposits, certificates of deposit, trust certificates or investment certificates assigned to the Provincial Treasurer;
- (d) irrevocable letters of credit, irrevocable letters of guarantee, performance bonds or surety bonds in a form acceptable to the Director;
- (e) any other form that is acceptable to the Director.

Section 27 Return of security

- (1) Where a reclamation certificate is issued in respect of all or part of a facility, the Minister may return or direct the return of all or part o the security provided, as the case may be.
- (2) Notwithstanding subsection (1), if conservation and reclamation has been partially completed as required under the Act, the regulations and the approval, the Minister may, on application by the approval holder, return or direct the return of a part of the security, as determined by the Minister.
- (3) Where the Director decreases the amount of security under Sectio 25(1) the Minister shall return or direct the return of part of the security provided.
- (4) The Minister shall return or direct the return of all security provided where an application for an approval is submitted but no approval is issued.

Section 28 Retention of security

Section 29 Forfeiture of security

In a case to which Section 15 of the Conservation and Reclamation Regulation applies, the Minister may, notwithstanding that a reclamatio certificate has been issued, retain all or part of the security until the expiration of the applicable period referred to in that section

- (1) The Minister may order that all or part of the security provided by th approval holder be forfeited if:
 - (a) the approval holder fails to commence and complete conservation and reclamation in a timely fashion;
 - (b) the approval holder fails to meet conservation and reclamation standards specified in an approval;
 - (c) the approval holder fails to renew existing security before its expiry date;
 - (d) the approval holder fails to adjust the amount of security for inflation or to account for changes in the conservation and reclamation plan;
 - (e) the approval holder has not complied with an environmental protection order or enforcement order issued by the Director;
 - (f) a receiver, receiver-manager or trustee has been appointed i respect of the operations of the approval holder,

and if as a result, conservation and reclamation of the facility as required by the Act and the regulations would, in the Minister's opinion, be prevented or interfered with, the Minister may order that all or part of the security provided by the approval holder be forfeited.

- (2) Where the Minister orders security to be forfeited under subsection (1), the Minister shall
 - (a) give written notice of the decision to the approval holder, and
 - (b) direct the Provincial Treasurer to transfer the security from the Environmental Protection Security Fund to the Environmental Protection and Enhancement Fund.
- (3) On the request of the Minister, the Provincial Treasurer shall pay to the Minister from the Environmental Protection and Enhancement Fund as much of the security transferred under subsection (2) as the Minister considers is necessary to carry out the conservation and reclamation in accordance with the Act, the regulations and the approval, and the Minister shall use the security for that purpose.
- (4) Subsection (3) applies despite the fact that the approval holder may not have actually received the notice referred to in subsection (2)(a).
- (5) Where the amount of the forfeited security exceeds the amount required for conservation and reclamation, the Provincial Treasurer shall on the direction of the Minister pay the excess amount to the approval holder.
- (6) Where the amount of the forfeited security is insufficient to pay for the cost of conservation and reclamation, the approval holder remains liable for the balance.

General

Section 34 Offence

A person who contravenes Sections 12, 13, 13.1, 14, 15, 16(1) or (2), 17, 19, 20, 21(a), 22 or 33(2) is guilty of a offense and is liable;

- (a) in the case of an individual, to a fine of not more than \$50,000, or
- (b) in the case of a corporation, to a fine of not more than \$500,000.

Section 35 Due diligence defense

No person shall be convicted of a offense referred to in Section 34 if that person establishes, on a balance of probabilities, that he took all reasonable steps to prevent its commission.

Section 36 Transitional

A personal identification number that was issued under the Hazardous Chemicals Act and is in effect on the coming into force of this Regulation is deemed to have been issued under the Environmental Protection and Enhancement Act.

1. A person who on the coming into force of this Regulation is registered as required under Ministerial Order No. 04/89 dated March 4, 1989 is deemed to be registered under Section 13.1.

Questions and Answers

Waste importation for disposal is prohibited in the Waste Control Regulation. Disposal is defined in the Regulation as placement "in or on land". Can I import waste into Alberta for release into air, water, or a municipal sewer system?

No.

Is it OK to landfill compressed gases?

No

Section 3 (a) of the Waste Control Regulation excludes household waste. What if a householder segregates flammable solvents (for example) and discards them on a City-owned sidewalk. Who is responsible for it? Is th waste hazardous?

The waste is hazardous and the householder is now responsible. If the wast was still in the possession of the householder, for example, during transportation to a Toxic Roundup, then it would still be excluded.

Note that Section 98 of the Act prohibits the release of substances that may cause a significant adverse effect, regardless of whether the substances ar hazardous waste or not.

General refuse is also dealt with under Sections 161, 169 to 174 and 178 (a), (b) and (c) of the Act.

Section 14(2)(a) of the Waste Control Regulation refers to "total combined concentration". Does this refer to composite sampling?

No, the total combined concentration is the total concentration of all halogenated compounds in a sample

Section 3(b) of the Waste Control Regulation excludes farm waste. Does this exclude pesticides?

Yes, pesticides or pesticide containers produced by farmers are excluded while in the possession of the farmer or whil unsegregated in a pesticide collection system under the control of a local authority, for example a county or town.

What are "related facilities" in the definition of oilfield waste (Section 1 (q) of the Waste Control Regulation)?

These are other facilities dealing with the exploration, production or development of crude oil or natural gas. Waste from an oilfield reclaimer is also oilfield waste.

Section 16(2) of the Waste Control Regulation prohibits importation for disposal. If I import hazardous waste into Alberta for treatment, can I dispose of the treatment residues in Alberta?

Yes, such disposal is authorized under Section 16(3) of the Waste Control Regulation.

What test method should be applied to classify wastes which have been encapsulated or solidified?

The leachate test applies if the encapsulated or solidified waste is in a "dispersible" form as defined in the Regulation.

What is the definition of a hazardous recyclable?

Hazardous recyclable means hazardous waste that is to be recycled (Section 1 (z) of AEPEA).

What is meant by a "release" from a hazardous recyclable facility (Section 21 of the Waste Control Regulation)?

"Release" includes to spill, discharge, dispose of, spray, inject, inoculate, abandon, deposit, leak, seep, pour, emit, empty, throw, dump, place, and exhaust (see Section 1(ggg) of AEPEA).

How much dioxin can go into a landfill in Alberta?

One thousand ppm in a properly constructed and approved landfill. The landfill approval may be more restrictive than this, however (S 14(2)(a) of the Wast Control Regulation).

Is it OK to import radioactive waste into Alberta for disposal? How about other excluded wastes? Can they be imported for disposal?

One should check with the agency which regulates these excluded wastes; for example the federal Atomic Energy Control Board controls radioactive waste.

Who licences facilities which recycle oilfield waste?

The Energy Resources Conservation Board (ERCB).

What about mixing wastes listed in Table 3 and Table 4 with each other or with substances which do not appear on either list?

Such mixtures must be assessed using the criteria set out in Sections 1(a) to 1(g) of Schedule 1 of the Waste Control Regulation.

What is the difference between Table 3 and Table 4?

Table 3 lists two series of "Waste Types": a "100 series" taken from the Transportation of Dangerous Goods Regulation and a "200 series" developed by Alberta Environmental Protection.

Table 4 is based on the Transportation of Dangerous Goods Regulation (TDGR) and refers to discarded commercial chemicals rather than waste streams.

What is the difference between Table 4(a) and 4(b)?

Both Table 4(a) and Table 4(b) are taken from the Schedule II List II of th TDGR. Containers which held wastes listed in Table 4(b) must be rinsed as required by the definition in Section (u)(i) of the Regulation in order to b rendered nonhazardous. The small quantity exclusion (5 kg, 5 l), does not apply to 4(b) listed wastes. They are hazardous in any amount.

What is the relationship between Alberta hazardous wastes and federally regulated dangerous goods?

Table 1

All of the wastes listed in Table 1 - Class 9.2 Substances are TDGR wastes, but many wastes listed as 9.2 wastes in TDGR are instead regulated as 9.3 wastes in Alberta. That is, the list of 9.3 wastes has been lengthened to include many wastes formerly classed as 9.2 wastes.

Table 2

Some wastes listed in Table 2 - Class 9.3 Substances are TDGR wastes. Som wastes have been added because they are present on other lists such as th Guidelines for Canadian Drinking Water Quality or the Toxicity Characteristic Leaching Procedure from the United States Environmental Protection Agency.

Table 3

All of the Series 100 wastes listed in Table 3 are TDGR wastes. None of the Series 200 wastes listed in Table 3 are TDGR wastes.

Table 4

All wastes listed in Table 4 - Discarded Commercial Chemicals are TDGR wastes.

All hazardous wastes defined in the Waste Control Regulation must b manifested while inside Alberta. Wastes or recyclables which cross Alberta's borders must be classified and transported in compliance with the federal Transportation of Dangerous Goods legislation.



Alberta User Guide for Waste Managers

The Industrial Wastes Branch intends to publish and distribute regular updates of the **Alberta User Guide for Waste Managers**. In order to be kept informed of advances in this publication, it is essential that the following information be provided to the Industrial Wastes Branch.

Name		
Title and/or Department		
Organization		
Address		
	Postal Code	

Alberta Environmental Protection Industrial Wastes Branch

5th Floor 9820 – 106 Street Edmonton, Alberta Environ

Edmonton, Alberta Environmental Protection T5K 2J6

Phone: 403-427-5847 FAX: 403-422-4192



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Schedule to the Alberta User Guide for Waste Managers

March, 1995



Table 1 Class 9.2 Substances (see Waste Control Regulation Schedule 1 Section 1(g)(i)

	Item	Description	Item	Description
Table 1	1.	Acetaldehyde	31.	Furfural
	2.	Acetaldehyde ammonia	32.	Hexachlorocyclopentadiene
	3.	Acetic anhydrid	33.	Hypochlorit
	4.	Acetone cyanohydrin	34.	Isobutyl acetat
	5.	Acetyl bromide	35.	Isobutylamine
	6.	Acetyl chloride	36.	Isobutyric acid
	7.	Acrolein, inhibited	37.	Isoprene
	8.	Acrylonitrile	38.	Maleic anhydride
	9.	Adipic acid	39.	Methylamine
	10.	Allyl alcohol	40.	Methyl methacrylate monomer
	11.	Allyl chlorid	41.	Nitrohydrochloric acid
	12.	Ammonium bifluoride	42.	Nitrophenols
	13.	Ammonium sulphid	43.	Nitrotoluenes
	14.	Amyl acetates	44.	Phosphorus oxychloride
	15.	Anilin	45.	Phosphorus pentasulphide
	16.	Benzidine	46.	Phosphorus trichloride
	17.	Benzonitrile	47.	Phosphorus
	18.	Benzoyl chloride	48.	Potassium permanganate
	19.	Benzyl chloride	49.	Propionic anhydride
	20.	Butyl acetates	50.	Propylene dichloride
	21.	n-Butylamine	51.	Propylene oxid
	22.	Diethylamin	52.	Quinolin
	23.	Dimethylamin	53.	Resorcinol
	24.	Dinitrobenzenes	54.	Sodium dodecylbenzene
	25.	Dinitrophenol	55.	Sodium methylate
	26.	Epichlorohydrin	56.	Strychnine
	27.	Ethylamine	57.	Styrene monomer
	28.	Ethylenediamine	58.	Tetrachloroethanes
	29.	Ethylene dibromide	59.	Triethylamine
	30.	Ethylene dichloride	60.	Vinylidene chlorid
		•	61.	Xylenols

TABLE 2 Class 9.3 Substances (see Waste Control Regulation Schedule 1 Section 1(g)(ii)

			Regulatory	
Table 2	Code Number	Constituent	Levels (mg/L)	
	LA1	Aldicarb	0.9	
	L3	Aldrin Dieldrin	0.07	
	LA2	Ammonia	100.0	
	LA3	Antimon	500.0	
	L4	Arsenic	5.0	
	LA4	Atrazine	6.0	
	LA5	Azinphos-methyl	2.0	
	L5	Barium	100.0	
	LA6	Bendiocarb	4.0	
	LA7	Benzene	0.5	
	LA8	Beryllium	5.0	
	L6	Boron	500.0	
	LA9	Bromoxynil	0.5	
	L7	Cadmium	1.0	
	L8	Carbaryl	7.0	
	LA10	Carbofuran	9.0	
	L9	Chlordane	0.03	
	LA11	Carbon Tetrachlorid	0.5	
	LA12	Chloroform	6.0	
	LA13	Chlorpyrifos	9.0	
	L10	Chromium	5.0	
	LA14	Cobalt	100.0	
	LA15	Copper	100.0	
	LA16	Total cresols	200.0	
	LA17	Cyanazine	1.0	
	L11	Cyanide	20.0	
	L2	2, 4 D	10.0	
	L13	Diazinon	0.02	
	LA18	Dicamba	12.0	
	LA19	1, 2 Dichlorobenzen	20.0	
	LA20	1, 4 Dichlorobenzene	7.5	
	LA21	1, 2 Dichloroethane	0.5	
	LA22	1, 1 Dichloroethylene	0.7	
	L12	DDT + metabolites	3.0	

TABLE 2 (Continued)

CLASS 9.3 SUBSTANCES (Continued) (see Waste Control Regulation Schedule 1 Section 1(g)(ii)

		Regulatory
Code Number	Constituent	Levels (mg/L)
LA23	Dichloromethane	5.0
LA24	2, 4 Dinitrotoluene	0.13
LA25	2, 4 Dichlorophenol	90.0
LA26	Diclofop-methyl	0.9
LA27	Dimethoat	2.0
LA28	Diquat	7.0
LA29	Diuron	15.0
L14	Endrin	0.02
LA30	Ethylbenzene	0.5
L15	Fluoride	150.0
LA31	Formaldehyde	100.0
LA32	Glyphosat	28.0
L16	Heptachlor & Heptachlor epoxide	0.008
LA33	Hexachlorobenzene	0.13
LA34	Hexachlorobutadien	0.5
LA35	Hexachloroethan	3.0
LA36	Iron	1000.0
L17	Lead	5.0
L18	Lindane	0.4
LA37	Malathion	19.0
L19	Mercury	0.2
L20	Methoxychlor	10.0
LA38	Methyl ethyl ketone	200.0
L21	Methyl Parathion	0.7
LA39	Metolachlor	5.0
LA40	Metribuzin	8.0
LA41	Monochlorobenzen	100.0
LA42	Naphthalene	0.5
LA43	Nickel	5.0
L22	Nitrate and Nitrite	1000.0
L23	Nitrilotriacetic acid (NTA)	5.0
L24	Nitrite	100.0
LA44	Nitrobenzen	2.0

Table 2 (continued)

CLASS 9.3 SUBSTANCES (Continued)

(see Waste Control Regulation Schedule 1 Section 1(g)(ii)

Code Number	Constituent	Regulatory Levels (mg/L)	
LA45	Paraquat	1.0	
L26	Parathio	3.5	
LA46	Pentachlorophenol	100.0	
LA47	Phenol	100.0	
LA48	Phorate	0.2	
LA49	Picloram	19.0	
LA50	Pyridine	5.0	
L27	Seleniu	1.0	
L28	Silver	5.0	
LA51	Simazine	1.0	
LA52	Thallium	5.0	
LA53	Tetrachloroethylene	0.7	
LA54	Temephos	28.0	
LA55	Terbufos	0.1	
L29	Toxaphene	0.5	
LA56	Triallat	23.0	
LA57	2, 3, 4, 6-Tetrachlorophenol	10.0	
LA58	Trichloroethylene	0.5	
LA59	2, 4, 5-Trichlorophenol	400.0	
LA60	2, 4, 6-Trichlorophenol	2.0	
LA61	Trifluralin	4.5	
LA62	Toluene	0.5	
L30	Trihalomethanes	35.0	
L1	2, 4, 5-TP (Silvex)	1.0	
L31	Uranium	2.0	
LA63	Vanadium	100.0	
LA64	Vinyl chloride	0.2	
LA65	Xylene	0.5	
LA66	Zinc	500.0	
LA67	Zirconium	500.0	

Table 3 Listed Waste Types

- Transportation of Dangerous Goods Regulation (TDGR)
- Alberta Listed Wastes

Table 3 TDGR LISTED WASTES

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 1 (The following spent halogenated solvents used in degreasing; tetrachloroethylene; trichloroethylene, methylene chloride, 1, 1, 1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; and sludges from the recovery of these solvents.)	NA9301	6.1	96 100	П
Waste Type 2 (The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1, 1, 1-trichloroethane, chlorobenzene, 1, 1, 2-trichloro-1, 2, 2 trifluoroethane, ortho-dichlorobenzene, and trichlorofluoromethane; and the still bottoms from the recovery of these solvents.)	NA9302	6.1	96 100	II
Waste Type 3 (The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; and the still bottoms from the recovery of these solvents.)	NA9303	3.1	96 100	II
Waste Type 4 (The following spent non-halogenated solvents: cresols and cresylic acid, nitrobenzene; and still bottoms from the recovery of these solvents.)	NA9304	6.1	96 100	II

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 5 (The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulphide, isobutanol, and pyridine; and th still bottoms from the recovery of these solvents.)	NA9305	3.1 6.1	96 100	II
Waste Type 6 (Wastewater treatment sludges from electroplating operations except for the following processes: (1) sulphuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (on a segregated basis) on carbon steel; (4) aluminum or aluminum-zinc plating on carbon steel; and (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; (6) chemical etching and milling of aluminum.)	NA9306	6.1	96 100	I
Waste Type 7 (Wastewater treatment sludges from the chemical conversion coating of aluminum.)	NA9307	9.3	96 100	III
Waste Type 8 (Spent cyanide plating bath solutions from electroplating operations, except for precious metals electroplating spent cyanide plating bath solutions.)	NA9308	6.1	96 100	Ι
Waste Type 9 (Plating bath sludges from the bottom of plating baths from electroplating operations where cyanides are used in the process, except for precious metals electroplating bath sludges.)	NA9309	6.1	96 100	I

			Special	
Description and Shipping Name	PIN	Classification	Provisions	Packing Grou
Waste Type 10 (Spent stripping and cleaning bath solutions fro electroplating operations where cyanides are used in the process, except for precious metals heat treating quenching baat sludges.)				
Waste Type 11 (Quenching bath sludge from oil baths from metal heat treating operations where cyanides are used in the process, except for precious metals heat treating quenching bath sludges.)	NA9311	6.1	96 100	I
Waste Type 12 (Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations, except for precious metals heat treating spent cyanide solutions.)	NA9312	6.1	96 100	I
Waste Type 13 (Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process, except for precious metals heat and treating quenching wastewater treatment sludges.)	NA9313	9.3	96 100	III
Waste Type 14 (Cyanidation wastewater treatment tailing pond sediment from mineral metals recovery operations.)	NA9314	9.3	96 100	III
Waste Type 15 (Spent cyanide bath solutions from mineral metals recovery operations.)	NA9315	6.1	96 100	I
Waste Type 16 (Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.)	NA9316	6.1	96 100	П

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 17 (Wastewater treatment sludge from the production of chrome yellow and orange pigments.)				
Waste Type 18 (Wastewater treatment sludge from the production of molybdate orange pigments.)	NA9318	9.3	96 100	III
Waste Type 19 (Wastewater treatment sludge from the production of zinc yellow pigments.)	NA9319	9.3	96 100	III
Waste Type 20 (Wastewater treatment sludge from the production of chrome green pigments.)	NA9320	9.3	96 100	III
Waste Type 21 (Wastewater treatment sludge from the production of chromeoxide green pigments anhydrous and hydrated.)	NA9321	9.3	96 100	III
Waste Type 22 (Wastewater treatment sludge from the production of iron blue pigments.)	NA9322	9.3	96 100	III
Waste Type 23 (Oven residue from the production of chrome oxide green pigments.)	NA9323	9.3	96 100	III
Waste Type 24 (Distillation bottoms from the production of acetaldehyde from ethylene.)	NA9324	9.3	96 100	III
Waste Type 25 (Distillation side cuts from the production of acetaldehyde from ethylene.)	NA9325	3.1	96 100	II
Waste Type 26 (Bottom stream from the wastewater stripper in the production of acrylonitrile.)	NA9326	6.1	96 100	II
Waste Type 27 (Bottom stream from the acetonitrile column in the production of acrylonitrile.)	NA9327	3.1 6.1	96 100	II

Table 3 (Continued)

Description and Shipping Name		Classification	Special Provisions	Packing Grou
Waste Type 28 (Bottoms from the acetonitrile purification column in the production of acrylonitrile.)				
Waste Type 29 (Still bottoms from the distillation of benzylchloride.)	NA9329	8 6.1	96 100	II
Waste Type 30 (Heavy ends or distillation residues from the production of carbon tetrachloride.)	NA9330	6.1	96 100	II
Waste Type 31 (Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.)	NA9331	6.1	96 100	II
Waste Type 32 (Heavy ends from the fractionation column in ethyl chloride production.)	NA9332	3.1 6.1	96 100	II
Waste Type 33 (Heavy ends from the distillation of ethylene dichlorid in ethylene dichloride production.)	NA9333	3.1 6.1	96 100	II
Waste Type 34 (Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.)	NA9334	3.1 6.1	96 100	П
Waste Type 35 (Aqueous spent antimony catalyst waste fro fluoromethanes production.)	NA9335	8 6.1	96 100	П
Waste Type 36 (Distillation bottom tars from the production of phenol/acetone from cumene.)	NA9336	6.1 8	96 100	II
Waste Type 37 (Distillation light ends from the production of phthalic anhydride from naphthalene.)	NA9337	8 6.1	96 100	III

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 38 (Distillation bottoms from the production of phthalic anhydride from napthalene.)				
Waste Type 39 (Distillation light ends from the production of phthalic anhydride (fro ortho-xylene.)	NA9339	8	96 100	Ш
Waste Type 40 (Distillation bottoms from the production of phthalic anhydride from ortho-xylene.)	NA9340	8	96 100	III
Waste Type 41 (Distillation bottoms from the production of nitrobenzene by the nitration of benzene.)	NA9341	6.1	96 100	II
Waste Type 42 (Stripping still tails from the production of methyl ethyl pyridines.)	NA9342	3.1 6.1	96 100	II
Waste Type 43 (Centrifuge and distillation residues from toluene diisocyanate production.)	NA9343	6.1	96 100	II
Waste Type 44 (Spent catalyst from the hydrochlorinator reactor in th production of 1, 1, 1-trichloroethane.)	NA9344	6.1	96 100	II
Waste Type 45 (Waste from the product stream stripper in the production of 1, 1, 1- trichloroethane.)	NA9345	6.1	96 100	II
Waste Type 46 (Distillation bottoms from the production of 1, 1, 1-trichloroethane.)	NA9346	6.1	96 100	II
Waste Type 47 (Heavy ends from the heavy ends columns from th production of 1, 1, 1-trichloroethane.)	NA9347	6.1 3	96 100	II

Table 3 (Continued)

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 48 (Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.)	NA9348	6.1	96 100	II
Waste Type 49 (Distillation bottoms from aniline production.)	NA9349	6.1	96 100	II
Waste Type 50 (Process residues from aniline extraction from th production of aniline.)	NA9350	6.1	96 100	II
Waste Type 51 (Combined wastewater streams generated from nitrobenzene/aniline production.)	NA9351	6.1	96 100	II
Waste Type 52 (Distillation or fractionating column bottoms from th production of chlorobenzenes.)	NA9352	6.1	96 100	II
Waste Type 53 (Separated aqueous stream from the reactor product washing step in the production of chlorobenzene.	NA9353	6.1	96 100	II
Waste Type 54 (By-product salts generated in the production of MSM and cacodylic acid.)	NA9354	6.1	96 100	II
Waste Type 55 (Wastewater treatment sludge from the production of chlordane.)	NA9355	6.1	96 100	II
Waste Type 56 (Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.)	NA9356	6.1	96 100	I
Waste Type 57 (Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.)	NA9357	6.1	96 100	I
Waste Type 58 (Vacuum stripper discharge from the chlordan chlorinator in the production of chlordane.)	NA9358	6.1	96 100	II

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 59 (Wastewater treatment sludges generated in the production of creosote.)	NA9359	6.1	96 100	II
Waste Type 60 (Still bottoms from toluene reclamation distillation in the production of disulfoton.)	NA9360	6.1	96 100	П
Waste Type 61 (Wastewater treatment sludges from the production of disulfoton.)	NA9361	6.1	96 100	II
Waste Type 62 (Wastewater from the washing and stripping of phorate production.)	NA9362	6.1	96 100	П
Waste Type 63 (Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.)		6.1	96 100	П
Waste Type 64 (Wastewater treatment sludge from the production of phorate.)	NA9364	6.1	96 100	II
Waste Type 65 (Wastewater treatment sludge from the production of toxaphene.)	NA9365	6.1	96 100	II
Waste Type 66 (Untreated process wastewater from the production of toxaphene.)	NA9366	6.1		II
Waste Type 67 (Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2, 4, 5-T.)	NA9367	6.1	96 100	II
Waste Type 68 (2, 6-Dichlorophenol waste from the production of 2, 4-D.)	NA9368	6.1	96 100	II
Waste Type 69 (Untreated wastewater from the production of 2, 4-D.)	NA9369	6.1	96 100	II

Table 3 (Continued)

			Special	
Description and Shipping Name	PIN	Classification	Provisions	Packing Grou
Waste Type 70 (Wastewater treatment sludges from the manufacturing and processing of explosives.)	NA9370	6.1	96 100	II
Waste Type 71 (Spent carbon from the treatment of wastewater containing explosives.)	NA9371	9.3	96 100	III
Waste Type 72 (Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.)	NA9372	6.1	96 100	П
Waste Type 73 (Pink/red water from TNT operations.)	NA9373	6.1	96 100	II
Waste Type 74 (Dissolved air flotation (DAF) float from the petroleum refining industry.)	NA9374	3.1	96 100	II
Waste Type 75 (Slop oil emulsion solids from the petroleum refining industry.)	NA9375	6.1	96 100	П
Waste Type 76 (Heat exchanger bundle cleaning sludge from th petroleum refining industry.)	NA9376	6.1 8	96 100	П
Waste Type 77 (API separator sludge from the petroleum refining industry.)	NA9377	3.1 6.1	96 100	II
Waste Type 78 (Tanks bottoms (leaded) from the petroleum refining industry.)		6.1 4.1	96 100	П
Waste Type 79 (Ammonia still lime sludge fro coking operations.)	NA9379	9.3	96 100	III
Waste Type 80 (Emission control dust/sludge from the primary production of steel in electric furnaces.)	NA9380	9.3	96 100	III

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 81 (Spent pickle liquor from steel finishing operations.)	NA9381	8	96 100	II
Waste Type 82 (Sludge from lime treatment of spent pickle liquor from steel finishing operations.)	NA9382	9.3	96 100	III
Waste Type 83 (Acid plant blowdown slurry/sludge resulting from th thickening of blowdown slurry from primary copper production.)	NA9383	9.3	96 100	III
Waste Type 84 (Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.)	NA9384	9.3	96 100	III
Waste Type 85 (Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.)	NA9385	9.3	96 100	III
Waste Type 86 (Electrolytic anode slimes/sludges from primary zinc production.)	NA9386	9.3	96 100	III
Waste Type 87 (Cadmium plant leach residue (iron oxide) from primary zinc production.)	NA9387	9.3	96 100	III
Waste Type 88 (Emission control dust/sludge from secondary lead smelting.)	NA9388	6.1	96 100	II
Waste Type 89 (Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.)	NA9389	6.1 8	96 100	П

Table 3 (Continued)

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 90 (Brine purification muds from the mercury cell process in chlorine production where separately prepurified brine is not used.)	NA9390	9.3	96 100	III
Waste Type 91 (Chlorinated hydrocarbon wastes from the purification step of the diaphragm cell process using graphite anodes in chlorin production.)	NA9391	6.1	96 100	II
Waste Type 92 (Wastewater treatment sludge from the mercury cell process in chlorine production.)	NA9392	9.3	96 100	III
Waste Type 93 (Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from Pigments, driers, soaps, and stabilizers containing chromium and lead.)	NA9393	6.1	96 100	II
Waste Type 94 (Wastewater treatment sludges generated during th production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.)	NA9394	6.1	96 100	II
Waste Type 95 (Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organoarsenic compounds.)	NA9395	6.1	96 100	II
Waste Type 96 (Residue from the use of activated carbon for decolourization in the production of veterinary pharmaceuticals fro arsenic or organoarsenic compounds.)	NA9396	6.1	96 100	П

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 97 (Decanter tank tar sludge from coking operations.)	NA9397	6.1	96 100	II
Waste Type 98 (Has been dropped.)				
Waste Type 99 (Wastes that on contact with water or air, emit toxic gases, vapours or fumes in sufficient quantity to present danger to human health or the environment.)	NA9399	6.1	96 100	II
Waste Type 100 (Any cyanide or sulphide bearing waste liable, when exposed to pH conditions of not less than 2 and not greater than 12.5, to generate toxic gases in sufficient quantity to present danger to huma health or the environment.)	NA9400	6.1	96 100	II

ALBERTA LISTED WASTES

Description and Shipping Name	PIN	Classification	Special Provisions	Packing Grou
Waste Type 200 (Spent filters produced in the fabric cleaning industry where an organic solvent is used as the cleaning agent.)	NA9500	9.3	96 100	III
Waste Type 201 (Spent lubricating oil and undrained lube oil filters removed from internal combustion engines.)	NA9500	9.3	96 100	III
Waste Type 202 (Spent glycol solutions removed from cooling systems that employ heat exchangers which were fabricated using an alloy containing lead as an adhesive.)	NA9500	9.3	96 100	III
Waste Type 203 (Spent caustic solution and sludge produced from th cleaning of heat exchangers which were fabricated using an alloy containing lead as an adhesive.)	NA9500	9.3	96 100	III
Waste Type 204 (Sludge from cooling tower sumps where hexavalent chromium is used to control biological growth.)	NA9500	9.3	96 100	Ш
Waste Type 205 (Spent shot blasting waste resulting from the removal of paint from metal surfaces.)	NA9500	9.3	96 100	III

 Table 4
 Discarded Commercial Chemicals

(see Waste Control Regulation Schedule 1 Section 2(b)

Table 4a	_	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1.	Accumulation, electric, <i>see</i> Batteries, etc.								
	3. <i>(7)</i>	Acetal	UN1088	3.1	99	3.1	3	II	5 L	60 L
	4. (8)	Acetaldehyde	UN1089	3.1 9.2	46 56 90 99 109	3.1	3	I	p	30 L
	5. (228)	Acetaldehyde ammonia (RL-50)	UN1841	9.2	44	9	9	III	200 kg	200 kg
	6. <i>(9)</i>	Acetaldehyde oxime	UN2332	3.3		3.3	3	II	5 L	60 L
	7. (49)	Acetic acid, glacial <i>or</i> Acetic acid solution, more than 80 percent acid, by mass	UN2789	8 9.2	109	8 3	8	II	1 L	30 L
	8. (48)	Acetic acid solution, more than 10 percent but not more than 80 percent acid, by mass	UN2790	8 9.2 109	89 100	8	8	II	1 L	30 L

(† Maximum Net Quantity Per Package or Prohibition)

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	9. <i>(306)</i>	Acetic anhydride	UN1715	8 9.2	109	8 3	8	II	1 L	30 L
	10. <i>(39)</i>	Acetone	UN1090	3.1	99	3.1	3	II	5 L	60 L
	11. (838)	Acetone cyanohydrin	UN1541	6.1 9.2	46 56 90 98 99 102 109 118	6.1	6.1	I	p	30 L
	12. (1588)	Acetone oils	UN1091	3.2		3.2	3	II	5 L	60 L
	13. <i>(40)</i>	Acetonitrile, <i>see</i> Methyl cyanide, etc.								
	14. <i>(2229)</i>	Acetyl acetone peroxide or 3, 5-Dimethyl-3, 5-dihydroxydioxolane-1, 2, not more than 32 percent as a paste with not less than 44 percent solvent, and not less than 9 percent water and not less than 11 percent inert solid	UN3061	5.2	48 83 100 110	-	5.2	П	5 kg	10 kg

Table 4a	'	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	15. (2230)	Acetyl acetone peroxide or 3, 5-Dimethyl-3, 5- dihydroxydioxolane-1, 2, not more than 40 per-cent in solution, and not more than 9 percent active oxygen, by mass	UN2080	5.2	46 48 56 63 83 99 110	5.2	5.2	II	5 L	10 L
	17. (2233)	Acetyl benzoyl peroxide, not more than 45 per-cent in solution	UN2081	5.2	48 56 63 83 99 110	5.2	5.2	II	5 L	10 L
	18. <i>(479)</i>	Acetyl bromide	UN1716	8 9.2	109	8	8	II	1 L	30 L
	19. (704)	Acetyl chloride	UN1717	3.2 8 9.2	109	3.2 8	3 8	II	1 L	5 L
	20. (2234)	Acetyl cyclohexane-sulphonyl peroxide, not more than 32 percent in solution	UN2083	5.2	46 48 56 83 99 -10°C 0°C	5.2	5.2	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	21. (2235)	Acetyl cyclohexanesul-phonyl peroxide, not more than 82 percent, uniformly wetted with not less than 12 per-cent water	UN2082	5.2 E	46 48 56 83 99 -10°C 0°C	5.2 E	5.2 E	I	p	p
	22. (41)	Acetylene, dissolved or Acetylene	UN1001	2.1	46 48 56 90 100 102 110	2.1	2	X	p	15 kg
	25. <i>(2855)</i>	Acetylene tetrabromide, see Tetrabromoethane, etc.								
	26. <i>(1674)</i>	Acetyl iodide	UN1898	8		8	8	II	1 L	30 L
	27. (43)	Acetyl methyl carbinol	UN2621	3.3		3.3	3	III	60 L	220 L
	28. (2231)	Acetyl peroxide, see Diacetyl peroxide, etc.								
	29. (2562)	Acid butyl phosphate, see Butyl acid phosphate, etc.								
	30. <i>(139)</i>	Acid, sludge, see Sludge acid, etc.								

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	31. (167)	Acridine	UN2713	6.1		4.1	6.1	III	100 kg	200kg
	32.	Acrolein, inhibited	UN1092	3.1 6.1 9.2	46 56 84 99 109 118	3.1 6.1	36.1	I	P	30L
	33.	Acrolein dimer, stabilized	UN2607	84 89		3.3	3	III	60L	220L
	34. (170)	Acrylamide	UN2074	6.1		6.1	6.1	III	100 kg	200kg
	35. <i>(50)</i>	Acrylic acid, inhibited	UN2218	8	84	8 3	8	II	1 L	30 L
	36. (176)	Acrylonitrile, inhibited	UN1093	3.2 6.1 9.2	46 51 56 84 99 102 109	3.2 6.1	3 6.1	I	p	30 L
	37. (798)	ADHESIVES, containing a liquid having a flashpoint less than - 18°C	UN1133	3.1	99	3.1	3	II	5 L	60 L

Table 4s		COL	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Table 4a Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provisions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	38. <i>(799)</i>	ADHESIVES, containing a liquid having a flashpoint less than - 18°C	UN1133	3.1	99	-	3	III	60 L	220 L
	39. (800)	ADHESIVES, containing a liquid having a flash-point not less than -18°C but less than 23°C	UN1133	3.2		3.2	3	II	5 L	60 L
	40. (801)	ADHESIVES, containing a liquid having a flash-point not less than 23°C	UN1133	3.3		3.3	3	III	60 L	220 L
	41. <i>(51)</i>	Adipic acid (RL-230)	NA9077	9.2	49	-	-	III	-	-
	42. (177)	Adiponitrile	UN2205	6.1		6.1	6.1	III	60 L	220 L
	45. (178)	AEROSOLS, containing compressed oxygen	UN1950	2.2 5.1	96 100	9	-	X	S75 kg	-
	46. (187)	AEROSOLS, containing more than 10 percent by mass of total contents as a flammable gas	UN1950	2.1	45 56	9 100	2 3	X	75 kg	150 kg
	47. (190)	AEROSOLS, containing more than 10 percent by mass of total contents as a flammable gas, and more than 5 percent corrosive material	UN1950	2.1	46 56 92 96 100	9	2 3 8	X	75 kg	150 kg

Table 4a Discarded commercial chemicals (continued)	•	COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL†
	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(**************************************	48. (189)	AEROSOLS, containing more than 10 percent by mass of total contents as a flammable gas, and more than 35 percent flammable liquid	UN1950	2.1	45 56 100	9	2 3	X	75 kg	150 kg
	49. (188)	AEROSOLS, containing more than 10 percent by mass of total contents as a flammable gas, and more than 10 percent poisonous material	UN1950	2.1 6.1	46 56 92 100	9	2 3 6.1	X	75 kg	150 kg
	50. (191)	AEROSOLS, containing more than 10 percent by mass of total contents as a nonflammable, non- poisonous, non-corrosive gas	UN1950	2.2	45 100	9	2	X	75 kg	150 kg
	51. (193)	AEROSOLS, containing more than 10 percent by mass of total contents as a nonflammable, non-poisonous, non-corrosive gas, and more than 5 per-cent corrosive material	UN1950	2.2	46 56 92 100	9	2 8	X	75 kg	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	52. (192)	AEROSOLS, containing more than 10 percent by mass of total contents as a nonflammable, non- poisonous, non-corrosive gas, and more than 35 percent flammable liquid	UN1950	2.1	45 56 100	9	2 3	X	75 kg	150 kg
	53. (194)	AEROSOLS, containing more than 10 percent by mass of total contents as a nonflammable, non-poisonous, non-corrosive gas, and more than 10 per-cent poisonous material	UN1950	2.3	46 56 92 100	9	2 6.1	X	75 kg	150 kg
	54. (181)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, non- poisonous, non-corrosive gas	UN1950	9.1	45 96 100	9	-	X	S75 kg	-
	55. (182)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, nonpoisonous, non-corrosive gas, with more than 5 percent corrosive material	UN1950	8	45 75 92 96 100	-	-	X	-	-

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	56. (183)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, nonpoisonous, non-corrosive gas with more than 45 percent flammable liquid	UN1950	3.1	45 75 96 100	-	-	X	-	-
	57. (184)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, non-poisonous, non-corrosive gas with more than 45 percent flammable liquid	UN1950	3.2	45 75 96 100	-	-	X	-	-
	58. (185)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, non- poisonous, non-corrosive gas, with more than 45 percent flammable liquid	UN1950	3.3	45 75 96 100	-	-	X	-	-
	59. (186)	AEROSOLS, containing not more than 10 percent by mass of total contents as a nonflammable, non-poisonous, non-corrosive gas, with more than 10 percent poisonous material	UN1950	6.1	45 75 92 96 100	-	-	X	-	-

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	67. (431)	Alcoholic beverages, containing more than 24 percent but not more than 70 percent alcohol, by volume	UN3065	3.3		3.3	3	III	60 L	220 L
	68. (432)	Alcoholic beverages, containing more than 70 percent alcohol, by volume	UN3065	3.2		3.2	3	II	5 L	60 L
	69.	Alcohols, denatured or industrial, see ALCOHOLS, TOXIC, N.O.S.*								
	70.	ALCOHOLS, N.O.S.*	UN1987	3.1	89 99	3.1	3	II	5 L	60 L
	71.	ALCOHOLS, N.O.S.*	UN1987	3.2	89	3.2	3	II	5 L	60 L
	72.	ALCOHOLS, N.O.S.*	UN1987	3.3	89	3.3	3	III	60 L	220 L
	73.	ALCOHOLS,	UN1986	3.1	89	3.1	3	II	1 L	60 L
		TOXIC, N.O.S*		6.1	99	6.1	6.1			
	74.	ALCOHOLS,	UN1986	3.2	89	3.2	3	II	1 L	60 L
		TOXIC, N.O.S.*		6.1		6.1	6.1	II	1 L	60 L
	75.	ALCOHOLS,	UN1986	3.3	89	3.3	3	II	1 L	60 L
		TOXIC, N.O.S.*		6.1		6.1	6.1	II	1 L	60 L
	76.	ALDEHYDES, N.O.S.*	UN1989	3.1	99	3.1	3	I	1 L	30 L
	77.	ALDEHYDES, N.O.S.*	UN1989	3.1	99	3.1	3	II	5 L	60 L
	78.	ALDEHYDES, N.O.S.*	UN1989	3.2	89	3.2	3	I	1 L	30 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	79.	ALDEHYDES, N.O.S.*	UN1989	3.2	89	3.2	3	II	5 L	60 L
	80. <i>(241)</i>	ALDEHYDES, N.O.S.*	UN1989	3.3		3.3	3	III	60 L	220 L
	81.	ALDEHYDES,	UN1988	3.1	89	3.1	3	II	1 L	60 L
	(242)	TOXIC, N.O.S.*		6.1	99	6.1	6.1			
	82.	ALDEHYDES,	UN1988	3.2	89	3.2	3	II	1 L	60 L
	(243)	TOXIC, N.O.S.*		6.1		6.1	6.1			
	83.	ALDEHYDES,	UN1988	3.3	89	3.3	3	II	1 L	60 L
	(244)	TOXIC, N.O.S.*		6.1		6.1	6.1			
	84.	Aldol	UN2839	6.1		6.1	6.1	II	5 L	60 L
	(246)									
	85.	Aldrin or Aldrin mixture, dry, see ORGANOCHLORINE PESTICIDES, etc.								
	86.	Aldrin, cost solid, see ORGANOCHLORINE PESTICIDES, etc.								
	87.	Aldrin mixture, liquid (with more than 60 percent aldrin) see ORGANOCHLORINE PESTICIDES, etc.								
	88.	Aldrin mixture, liquid (with 60 percent or less aldrin), see ORGANOCHLORINE PESTICIDES, etc.								

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi-fication	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
,	89. (1861)	Alkali earth metal dispersions, n.o.s., see Alkali metal dispersions, etc.								
	90. (1862)	Alkali metal alloys, liquid	UN1421	4.3	46 48 56 99	4.3	4.3	I	p	1 L
	91. (1863)	Alkali metal amalgams, n.o.s.*, liquid	UN1389	4.3	46 48	4.3	4.3	I	p	1 L
	92. (1864)	Alkali metal amalgams, n.o.s.*, solid	UN1389	4.3	46 48	4.3	4.3	I	p	15 kg
	93. (1865)	Alkali metal amides, n.o.s.*	UN1390	4.3	46 48 99	4.3	4.3	II	15 kg	50 kg
	94. (1866)	Alkali metal dispersions n.o.s.* or Alkali earth metal dispersions, n.o.s.*	UN1391	4.3	46 48 99	4.3	4.3	I	p	1 L
	95. (1859)	Alkaline earth metal alloys, n.o.s.*	UN1393	4.3	46 48 99	4.3	4.3	П	l5 kg	50 kg
	96. (1860)	Alkaline earth metal amalgams, n.o.s.*	UN1392	4.3	46 48	4.3	4.3	I	p	15 kg
	97. (199)	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, liquid	UN1544	6.1	46 94	6.1	6.1	I	1 L	30 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
,	98. (200)	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, liquid	UN1544	6.1		6.1	6.1	П	5 L	60 L
	99. <i>(201)</i>	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, liquid	UN1544	6.1		6.1	6.1	III	60 L	220 L
	100. (202)	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, solid	UN1544	6.1	46 93	6.1	6.1	I	5 kg	50 kg
	101. (203)	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, solid	UN1544	6.1		6.1	6.1	П	25 kg	100 kg
	102. (204)	ALKALOIDS, N.O.S.* or ALKALOID SALTS, N.O.S.*, poisonous, solid	UN1544	6.1		6.1	6.1	III	100 kg	200 kg
	103. (52)	Alkanesulfonic acid, see Alkyl, Aryl or Toluenesulphonic acid, etc.								
	104. (251)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, corrosive	UN2735	8	46	8	8	Ι	0.5 L	2.5 L
	105. (252)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, corrosive	UN2735	8		8	8	II	1 L	30 L
	106. (253)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, corrosive	UN2735	8		8	8	III	5 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a Discarded commercial chemicals (continued)	Item	Shipping Name and Description	II Product identi- fication Number	Class- ifica- tion	Special Provisions	V IMO Class- ifica- tion	VI ICAO Class- ifica- tion	VII Pack- ing Group	VIII Passenger Aircraft & Passenger Vehicles	IX Cargo Aircraft
	107. (254)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, corrosive, flammable,	UN2734	8 3	46 3	8	8 3	I	0.5 L	2.5 L
	108. (255)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, corrosive, flammable	UN2734	8 3 3		8	8 3	II	1 L	30 L
	109. (256)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, flammable, corrosive	UN2733	3.2 8	46	3.2 8	3 8	I	0.5 L	2.5 L
	110. (257)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S. *, flammable, corrosive	UN2733	3.2 8		3.2 8	3 8	II	1 L	5 L
	111. (258)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, flammable, corrosive	UN2733	3.2 8		3.2 8	3 8	III	5 L	60 L
	112. (259)	ALKYLAMINES, N.O.S.* or POLYALKYLAMINES, N.O.S.*, flammable, corrosive	UN2733	3.3		3.3	3 8	III	5 L	60 L
	113. <i>(53)</i>	Alkyl, Aryl or Toluene sulphonic acid, liquid with more than 5 percent free sulphuric acid	UN2584	8 9.2	60 109	8	8	II	1 L	30 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
,	114. <i>(54)</i>	Alkyl, Aryl or Toluene sulphonic acid, liquid with not more than 5 per- cent free sulphuric acid	UN2586	8 9.2	109	8	8	III	5 L	60 L
	115. (55)	Alkyl, Aryl or Toluene sulphonic acid, solid with more than 5 percent free sulphuric acid	UN2583	8 9.2	60 109	8	8	II	15 kg	50 kg
	116. <i>(56)</i>	Alkyl, Aryl or Toluene sulphonic acid, solid with not more than 5 per-cent free sulphuric acid	UN2585	8 9.2	109	8	8	III	25 kg	100 kg
	117. <i>(260)</i>	Alkyl phenols, n.o.s.* (C2-C8 homologues), liquid	UN2430	6.1		6.1	6.1	III	60 L	220 L
	118. (261)	Alkyl phenols, n.o.s.* (C2-C8 homologues), solid	UN2430	6.1		6.1	6.1	III	100 kg	200 kg
	119. (262)	Allene, see Propadiene, inhibited								
	120. 121. (12)	Allethrin, see PESTICIDES, etc. Allyl acetate	UN2333	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	122. (205)	Allyl alcohol	UN1098	3.2 6.1 9.2	46 100 109	3.2 6.1	3 6.1	I	p	30 L

Table 4a	'	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	123. (271)	Allylamine	UN2334	3.1 6.1	46 99	3.1 6.1	3 6.1	Ι	p	30 L
	124. (480)	Allyl bromide	UN1099	3.2 6.1	46 56	3.2 6.1	3 6.1	I	p	30 L
	125. (705)	Allyl chloride	UN1100	3.1 6.1 9.2	46 56 99 109	3.1 6.1	3 6.1	I	p	30 L
	126. (656)	Allyl chloroformate <i>or</i> Allyl chlorocarbonate	UN1722	8	46 56 66 90 99	8 3	8	I	p	2.5 L
	127. (1315)	Allyl ethyl ether	UN2335	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	128. (1450)	Allyl formate	UN2336	3.2 6.1	46 99	3.2 6.1	3 6.1	I	p	30 L
	129. (1316)	Allyl glycidyl ether	UN2219	3.3		3.3	3 6.1	III	60 L	220 L
	130. (1675)	Allyl iodide	UN1723	3.2 8	46	3.2 8	3 8	I	0.5 L	2.5 L
	131. (1725)	Allyl isothiocyanate, Inhibited	UN1545	6.1	84 90 99	6.1	6.1	II	p	60 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
`	132. (272)	Allyltrichlorosilane, stabilized	UN1724	8	46 56 84 90	8 3	8	II	p	30 L
	133. (1523)	Aluminum alkyl halides	UN3052	4.2	46 56 99	4.2	4.2	I	p	p
	134. (279)	Aluminum alkyls	UN3051	4.2	46 56 99	4.2	4.2	I	p	p
	135. (442)	Aluminum borohydride or Aluminum borohydride in devices	UN2870	4.2 4.3	46 48 99	4.2 4.3	4.2 4.3	I	p	p
	136. (481)	Aluminum bromide, anhydrous	UN1725	8		8	8	II	15 kg	50 kg
	137. (482)	Aluminum bromide, solution	UN2580	8		8	8	III	5 L	60 L
	138. (570)	Aluminum carbide	UN1394	4.3	46	4.3	4.3	II	15 kg	50 kg
	139. (706)	Aluminum chloride, anhydrous	UN1726	8		8	8	II	15 kg	50 kg
	140. (707)	Aluminum chloride, solution	UN2581	8		8	8	III	5 L	60 L
	142. (284)	Aluminum ferrosilicon powder	UN1395	4.3 6.1		4.3	4.3 6.1	II	15 kg	50 kg

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identification	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
,	143. (1644)	Aluminum hydride	UN2463	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	144. (1992)	Aluminum nitrate	UN1438	5.1		5.1	5.1	III	25 kg	100 kg
	145. (2561)	Aluminum phosphate solution, see CORROSIVE LIQUIDS, N.O.S.*								
	146. (2581)	Aluminum phosphide	UN1397	4.3 6.1	46 56 99 102	4.3 6.1	4.3 6.1	I	p	15 kg
	147.	Aluminum phosphide pesticides	UN3048		32 46 48 99	6.1	6.1	I	P	15 kg
	148. (275)	Aluminum powder, coated, with not less than 20 percent of powder having a particle size less than 250 micrometres	UN1309	4.1	54 83 89	4.1	4.1	II	15 kg	50 kg
	149. <i>(277)</i>	Aluminum powder, pyrophoric, see Pyrophoric metals, n.o.s.*								

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	150. (276)	Aluminum powder, uncoated, non-Pyrophoric	UN1396	4.3	48 110	4.3	4.3	II	15 kg	50 kg
	151. (2700)	Aluminum resinate	UN2715	4.1	89	4.1	4.1	П	25 kg	100 kg
	152. (2744)	Aluminum silicon powder, uncoated	UN1398	4.3		4.3	4.3	III	25 kg	100 kg
	153. (2801)	Aluminum sulphate, solid (<i>RL-230</i>)	NA9078	9.2	49	-	-	III	-	-
	154. (2800)	Aluminum sulphate, solution, see CORROSIVE LIQUIDS, N.O.S.*								
	155. (289)	2-Amino-4-chlorophenol	UN2673	6.1		6.1	6.1	II	25 kg	100 kg
	156. (290)	2-Amino-5-diethylamino-pentane	UN2946	6.1		6.1	6.1	III	60 L	220 L
	157. <i>(291)</i>	2-(2-Aminoethoxy) ethanol	UN3055	8		8	8	III	5 L	60 L
	158. (292)	N-Aminoethylpiperazine	UN2815	8		8	8	III	5 L	60 L
	159. (293)	Aminophenols (o-, m-, p-)	UN2512	6.1		6.1	6.1	III	100 kg	200 kg
	160. (294)	Aminopropyldiethanolamine, see CORROSIVE LIQUIDS, N.O.S.*								

Table 4a Discarded commercial chemicals	T4	COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	161. (295)	N-Aminopropylmorpholine, see CORROSIVE LIQUIDS, N.O.S.*								
	162.	Aminopyridines	UN2671	6.1		6.1	6.1	II	25 kg	100 kg
		(o-, m-, p-)								
	163.	Ammonia, anhydrous, liquefied	UN1005	2.4	46	2.3	2	X	p	25 kg
	(297)	orAnhydrous ammonia or		9.2	56	3				
		Ammonia solutions, relative			90	6.1				
		density (specific gravity) less than			99					
		0.880 at 15°C in water, with more			102					
		than 50 percent ammonia			109					
	164. (299)	Ammonia solutions or Ammonium hydroxide, relative density (specific gravity) between 0.880 and 0.957 at 15°C in water, with more than 10 percent but not more than 35 percent ammonia	UN2672	8 9.2	109	8	8	III	5 L	60 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	165. (298)	Ammonia solutions, relative density (specific gravity) less than 0.880 at 15°C in water, with more than 35 percent but not more than 50 per-cent ammonia	UN2073	2.4 9.2	56 90 99 109	2.2	2	X	p	150 kg
	166. (13)	Ammonium acetate (RL-230)	NA9079	9.2	49	-	-	III	-	-
	167. (332)	Ammonium arsenate	UN1546	6.1	118	6.1	6.1	II	25 kg	100 kg
	169. (408)	Ammonium benzoate (RL-230)	NA9080	9.2	49	-	-	III	-	-
	170. (418)	Ammonium bicarbonate (RL-230)	NA9081	9.2	49	-	-	III	-	-
	171. <i>(-)</i>	Ammonium bifluoride, see Ammonium hydrogen fluoride								
	172.	Ammonium bisulphite, solid, see CORROSIVE SOLIDS, N.O.S.*								
	173. (428)	Ammonium bisulphite, solution, see Bisulphites, inorganic, aqueous solutions, n.o.s.*								

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	175. (558)	Ammonium carbamate (RL-230)	NA9083	9.2	49	-	-	III	-	-
	176. (562)	Ammonium carbonate (RL-230)	NA9084	9.2	49	-	-	III	-	-
	178. (708)	Ammonium chloride (RL-230)	NA9085	9.2	49	-	-	III	-	-
	180. (786)	Ammonium chromate (RL-50)	NA9086	9.2	49	-	-	III	-	-
	181. <i>(793)</i>	Ammonium citrate, dibasic (RL-230)	NA9087	9.2	49	-	-	III	-	-
	182. (1094)	Ammonium dichromate	UN1439	5.1 9.2	109	5.1	5.1	II	5 kg	25 kg
	183. <i>(300)</i>	Ammonium dinitro-o-cresolate	UN1843	6.1		6.1	6.1	II	25 kg	100 kg
	184. (1404)	Ammonium fluoborate	NA9088	8 9.2	34 49 109	-	-	III	-	-
	185. (1427)	Ammonium fluoride	UN2505	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	186. (1413)	Ammonium fluorosilicate or Ammonium silicofluoride	UN2854	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	188. (1424)	Ammonium hydrogen fluoride, solid or Ammonium bifluoride, solid	UN1727	8 9.2	109	8	8	II	15 kg	50 kg

Table 4a Discarded		COL I	COL II Product identi-	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Passenger Vehicles	Cargo Aircraft
	189. (1423)	Ammonium hydrogen fluoride, solution or Ammonium bifluoride, solution	UN2817	8 6.1 9.2	109	8 6.1	8 6.1	II	1 L	30 L
	190. <i>(1602)</i>	Ammonium hydrogen sulphate or Ammonium bisulphate	UN2506	8	110	8	8	II	15 kg	50 kg
	191. <i>(1629)</i>	Ammonium hydrosulphide, solution, see Ammonium sulphide, solution								
	192. (1630)	Ammonium hydroxide, see Ammonia solutions, etc.								
	193. <i>(1872)</i>	Ammonium metavanadate	UN2859	6.1		6.1	6.1	II	25 kg	100 kg
	194. (1993)	Ammonium nitrate with not more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	UN1942	5.1	46 83 100	5.1	5.1	III	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provisions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	195. (1281)	Ammonium nitrate fertilizers: uniform non-segregating mixtures of ammonium nitrate with added matter which is inorganic and chemically inert towards ammonium nitrate, with not less than 90 percent ammonium nitrate and not more than 0.2 percent combustible material (including organic material calculated as carbon), or with more than 70 percent but less than 90 percent ammonium nitrate and not more than 0.4 percent total combustible material	UN2067	5.1	83 99	5.1	5.1	III	25 kg	100 kg

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	196. (1277)	Ammonium nitrate fertilizers: uniform non-segregating mixtures of ammonium nitrate/ammonium sulphate, with more than 45 percent but not more than 70 percent ammonium nitrate and not more than 0.4 percent total combustible material	UN2069	5.1	83 99	5.1	5.1	Ш	25 kg	100 kg
	197. (1280)	Ammonium nitrate fertilizers: uniform non-segregating mixtures of ammonium nitrate with calcium carbonate and/or dolomite, with more than 80 percent but less than 90 percent ammonium nitrate, and not more than 0.4 percent total combustible material	UN2068	5.1	83 99	5.1	5.1	III	25 kg	100 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name And Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	198. (1279)	Ammonium nitrate fertilizers: uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, with more than 70 percent but less than 90 percent ammonium nitrate, and not more than 0.4 per-cent total combustiblematerial	UN2070	5.1	83 99	5.1	5.1	III	25 kg	100 kg
	199. (1278)	Ammonium nitrate fertilizers: uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, with not more than 70 percent ammonium nitrate, and not more than 0.4 percent total added combustible material, or with not more than 45 percent ammonium nitrate, with unrestricted combustible material	UN2071	9.1	44 83 100	9	9	III	200 kg	200 kg

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	200. (1282)	Ammonium nitrate fertilizers, n.o.s.*, solid	UN2072	5.1	100	5.1	5.1	II	5 kg	25 kg
	201. (1994)	Ammonium nitrate, liquid (hot concentrated solution)	UN2426	5.1	46 56 99	p	5.1	II	p	p
	203. (2117)	Ammonium oxalate, see Oxalates, water soluble								
	204. (2195)	Ammonium perchlorate	UN1442	5.1	30 46 99	5.1	5.1	II	5 kg	25 kg
	206. (2352)	Ammonium persulphate	UN1444	5.1		5.1	5.1	III	25 kg	100 kg
	208. (2612)	Ammonium polysulphide, solution	UN2818	8 6.1		8 6.1	8 6.1	II	1 L	30 L
	209. (2613)	Ammonium polyvanadate	UN2861	6.1		6.1	6.1	II	25 kg	100 kg
	210. (2748)	Ammonium silicofluoride, see Ammonium fluoro-silicate, etc.								
	211. (2796)	Ammonium sulphamate (RL-230)	NA9089	9.2	49	-	-	III	-	-
	212. (2038)	Ammonium sulphate nitrate, see Nitrates, inorganic, n.o.s.*								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	213. (2824)	Ammonium sulphide, solution	UN2683	8 6.1 3 9.2	109	8 6.1 3	8 6.1 3	II	1 L	30 L
	214. (2823)	Ammonium sulphite (RL-230)	NA9090	9.2	49	-	-	III	-	-
	215. (2845)	Ammonium tartrate (RL-230)	NA9091	9.2	49	-	-	III	-	-
	216. (2908)	Ammonium thiocyanate (RL-230)	NA9092	9.2	49	-	-	III	-	-
	217. (2917)	Ammonium thiosulphate (RL-230)	NA9093	9.2	49	-	-	III	-	-
	218. (1953)	Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	UN2017	6.1	46 48 56 90 99 102	6.1	6.1	П	p	50 kg
	219. (1954)	Ammunition, toxic, non- explosive without burster or expelling charge, non-fuzed	UN2016	6.1	46 48 90 99 102	6.1	6.1	II	p	100 kg
	220.	AMYLACETATES	UN1104	3.2 9.2	89 109	3.2	3	III	60 L	220 L
	221.	AMYLACETATES	UN1104	3.3 9.2	89 109	3.3	3	III	60 L	220 L

Table 4a	•	COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(======================================	222. (2556)	Amyl acid phosphate	UN2819	8		8	8	III	5 L	60 L
	223. (219)	AMYL ALCOHOLS	UN1105	3.2		3.2	3	II	5 L	60 L
	224. (220)	AMYL ALCOHOLS	UN1105	3.2		-	3	III	60 L	220 L
	225. (221)	AMYL ALCOHOLS	UN1105	-		3.3	3	II	5 L	60 L
	226. (222)	AMYL ALCOHOLS	UN1105	3.3		-	3	III	60 L	220 L
	227. (232)	Amyl aldehyde, see Valeraldehyde								
	228. (302)	Amylamine	UN1106	3.2		3.2	3	II	5 L	60 L
	229. (540)	Amyl butyrates	UN2620	3.3		3.3	3	III	60 L	220 L
	230. (709)	Amyl chloride	UN1107	3.2		3.2	3	II	5 L	60 L
	231. <i>(303)</i>	n-Amylene	UN1108	3.1	46 99	3.1	3	I	1 L	30 L
	232. (1457)	AMYL FORMATES	UN1109	3.3		3.3	3	II	5 L	60 L
	233. (1458)	AMYL FORMATES	UN1109	3.3		-	3	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	234. (1609)	tert-Amyl hydroperoxide, not more than 88 per-cent in solution, with not less than 6 per-cent water	UN3067	5.2 I	46 48 63 83 100	-	5.2	I	1 L	5 L
	235. <i>(1833)</i>	Amyl mercaptan	UN1111	3.2	56 110	3.2	3	II	5 L	60 L
	236. (304)	Amyl methyl ketone or Methyl amyl ketone	UN1110	3.3		3.3	3	III	60 L	220 L
	237. (1995)	Amyl nitrate	UN1112	3.3		3.3	3	II	5 L	60 L
	238. (2049)	Amyl nitrite	UN1113	3.1	99	3.1	3	II	5 L	60 L
	239. (2224)	tert-Amylperoxy-benzoate, not more than 92 percent in solution	UN3044	5.2	48 63 83 99	5.2	5.2	II	5 L	10 L
	240. (2340)	tert-Amyl peroxy-2- ethylhexanoate, technically pure	UN2898	5.2	46 48 56 99 +20°C +25°C	5.2	5.2	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	241. (2343)	tert-Amyl peroxyneodecanoate, not more than 75 per- cent, with phlegmatiser	UN2891	5.2	46 48 56 83 99 0°C +10°C	5.2	5.2	П	p	p
	242. (2348)	tert-Amyl peroxypivalate, not more than 77 per-cent in solution	UN2957	5.2	46 48 56 83 99 +10°C +15°C	5.2	5.2	П	p	p
	243. (305)	Amyltrichlorosilane	UN1728	8	46 56 90	8	8	II	p	30 L
	244. (-)	Anhydrous ammonia, <i>see</i> Ammonia, anhydrous, etc.								
	245.	Aniline	UN1547	6.1 9.2	56 109 110	6.1	6.1	II	5 L	60 L
	246. (628)	Aniline hydrochloride	UN1548	6.1		6.1	6.1	III	100 kg	200 kg
	247. (315)	Anisidines, liquid	UN2431	6.1		6.1	6.1	III	60 L	220 L
	248. (316)	Anisidines, solid	UN2431	6.1		6.1	6.1	III	100 kg	200 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuea)	249. (317)	Anisole	UN2222	3.3		3.3	3	III	60 L	220 L
	250. (710)	Anisoyl chloride	UN1729	8		8	8	II	1 L	30 L
	251. (319)	Antifreeze compound <i>or</i> preparation, liquid, <i>see</i> FLAMMABLE LIQUID PREPARATIONS, N.O.S.*								
	252. (320)	ANTIMONY COMPOUNDS, INORGANIC, N.O.S.*, liquid	UN1549	6.1	46 94 118	6.1	6.1	I	1 L	30 L
	253. (321)	ANTIMONY COMPOUNDS, INORGANIC, N.O.S.*, liquid	UN1549	6.1	118	6.1	6.1	II	5 L	60 L
	254. (322)	ANTIMONYCOMPOUNDS, INORGANIC, N.O.S.*, liquid	UN1549	6.1	118	6.1	6.1	III	60 L	220 L
	255. (323)	ANTIMONY COMPOUNDS, INORGANIC, N.O.S.*, solid	UN1549	6.1	46 93 118	6.1	6.1	I	5 kg	50 kg
	256. (324)	ANTIMONY COMPOUNDS, INORGANIC, N.O.S.*, solid	UN1549	6.1	118	6.1	6.1	II	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	257. (325)	ANTIMONY COMPOUNDS, INORGANIC, N.O.S.*, solid	UN1549	6.1	118	6.1	6.1	III	100 kg	200 kg
	258. (1733)	Antimony lactate	UN1550	6.1	118	6.1	6.1	III	100 kg	200 kg
	259. (2175)	Antimony pentachloride, liquid or Antimony pentachloride	UN1730	8 9.2	46 109 118	8	8	II	1 L	30 L
	260. (2174)	Antimony pentachloride, solution	UN1731	8 9.2	109 118	8	8	П	1 L	30 L
	261. (2178)	Antimony pentafluoride	UN1732	8 6.1	46 56 90 99 118	8 6.1	8 6.1	II	p	30 L
	262. (2843)	Antimony potassium tartrate	UN1551	6.1 9.2	109 118	6.1	6.1	III	100 kg	200 kg
	263. (326)	Antimony powder	UN2871	6.1		6.1	6.1	III	100 kg	200 kg
	264. (2825)	Antimony sulphide, solid		-	103	-	-	-	-	-
	266. (2942)	Antimony tribromide, solid	NA1549	8 9.2	49 109	-	-	II	-	-
	267. (2941)	Antimony tribromide, solution	NA1549	8 9.2	49 109	-	-	П	-	-

Table 4a	-	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	268. (2955)	Antimony trichloride, solid	UN1733	8 9.2	109 118	8	8	II	15 kg	50 kg
	269. (2954)	Antimony trichloride, solution	UN1733	8 9.2	109 118	8	8	II	1 L	30 L
	270. (2972)	Antimony trifluoride, solid	NA1549	8 9.2	49 109	-	-	II	-	-
	271. (2971)	Antimony trifluoride, solution	NA1549	8 9.2	49 109	-	-	II	-	-
	272. (3023)	Antimony trioxide (<i>RL-230</i>)	NA9201	9.2	40	-	-	III	-	-
	273. <i>(329)</i>	Argon, compressed	UN1006	2.2		2.2	2	X	75 kg	150 kg
	274. (330)	Argon, refrigerated liquid or Argon, liquid pressurized	UN1951	2.2	46 56	2.2	2	X	50 kg	500 kg
	278.	Arsenical dip, liquid (sheep dip), see ARSENIC PESTICIDES, LIQUID, etc.								
	279.	Arsenical dust	UN1562	6.1	6.1	6.1	II	25	KG	100 KG
	280.	ARSENICAL PESTICIDES LIQUID FLAMMABLE, TOXIC, N.O.S.* flashpoint not less than -18°C but less than 23°C	UN2760	3.2 6.1 9.2	46 109 118	3.2 6.1	36.1	I	p	30 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	281.	ARSENICAL PESTICIDES LIQUID FLAMMABLE, TOXIC, N.O.S.* flashpoint not less than -18°C but less that 23°C	UN2760	3.2 6.1 9.2	109 118	3.2 6.1	36.1	II	1 L	60 L
	282.	ARSENICAL PESTICIDES, LIQUID, TOXIC FLAMMABLE, N.O.S* flashpoint not less than 23°C	UN2993	6.1 3 9.2	46 89 94 109 118	6.1	6.1	I	1 L	30 L
	283.	ARSENICAL PESTICIDES LIQUID, TOXIC, FLAMMABLE N.O.S.* flashpoint not less than 23°C	UN2993	6.1 3 9.2	89 109 118	6.1	6.1	II	5 L	60 L
	284.	ARSENICAL PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2994	6.1 9.2	46 94 109 118	6.1	6.1	I	1L	30 L
	285.	ARSENICAL PESTICIDES LIQUID, TOXIC, N.O.S.*	UN2994	6.1 9.2	109 118	6.1	6.1	II	5 L	60 L
	286.	ARSENICAL PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2994	6.1 9.2	109 118	6.1	6.1	III	60 L	220 L
	287.	ARSENICAL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2759	6.1 9.2	46 93 109 118	6.1	6.1	I	5 kg	50 kg

Table 4a Discarded commercial		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(continued)		r r r						- · · · ·		
	288.	ARSENICAL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2759	6.1	109	6.1	6.1	II	25 kg	100 kg
	289.	ARSENICAL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2759	6.1 9.2	109 118	6.1	6.1	III	100 kg	200 kg
	304.	Arsenious and mercuric iodide solution see POISONOUS LIQUIDS, N.O.S.*								
	306.	Aryl sulphonic acid,								
	(147)	see Alkyl, Aryl or Toluene sulphonic acid, etc.								
	310. <i>(364)</i>	Asphalt, cut-back,								
	318.	Azinphos-methyl, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	319.	Azinphos-methyl mixture, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	320.	2, 2f-Azodi-(2, 4-dimethyl-4-	UN2955	4.1	46	4.1	4.1	II	p	p
	(370)	methoxy-valeronitile)			48 99 -5°C +5°C					

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuea)	321. (371)	2, 2 <i>f</i> -Azodi-(2, 4-dimethylvaleronitrile)	UN2953	4.1	46 48 99 +10°C +15°C	4.1	4.1	II	p	p
	322. (369)	2, 2 <i>f</i> -Azodi-(2-methyl-butyronitrile)	UN3030	4.1	46 48 96 99 +40°C +45°C	4.1	4.1	П	p	p
	323. (372)	1, 1 <i>f</i> -Azodi-(hexahydrobenzonitrile)	UN2954	4.1	46 48	4.1	4.1	II	15 kg	50 kg
	324. 0(373)	Azodiisobutyronitrile	UN2952	4.1 E	31 46 48 99 +40°C +45°C	4.1 E	4.1 E	П	p	p
	326.	Bags, having contained sodium nitrate, <i>or</i> potassium nitrate, empty, unwashed	UN1359		99	4.1		III		
	327. (400)	Barium	UN1400	4.3	99	4.3	4.3	II	15 kg	50 kg

		COL	COL	COL	COL	COL	COL	COL	\mathbf{COL}_{\dagger}	\mathbf{COL}_{\dagger}
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	Class	Cmaaial	IMO	ICAO Class-	Dools	Passenger	
commercial		Shipping Name	identi- fication	Class- ifica-	Special Provi-	Class- ifica-	Class- ifica-	Pack- ing	Aircraft & Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)		and Description	rumber	tion	310113	tion	tion	Group	Venicies	miciali
	328.	Barium, powder, pyrophoric, see								
	(399)	Pyrophoric metals, n.o.s.*, etc.								
	329.	Barium alloys	UN1399	4.3	99	4.3	4.3	II	15 kg	50 kg
	(394)									
	330.	Barium alloys, pyrophoric	UN1854	4.2	46	4.2	4.2	I	p	p
	(395)				48					
					56					
					88 89					
					99					
					102					
	331.	Barium azide, wetted uniformly	UN1571	4.1	10	4.1	4.1	I	p	0.5 kg
	(380)	with not less than 50	01/10/1	6.1	46	6.1	6.1	-	۲	0.0 1.8
	()	percentwater, by mass			48					
					56					
					58					
					90					
					99					
	332.	Barium bromate	UN2719	5.1		5.1	5.1	II	5 kg	25 kg
	(453)			6.1		6.1	6.1			
	333.	Barium chlorate or Barium	UN1445	5.1		5.1	5.1	II	5 kg	25 kg
	(610)	chlorate solution <i>or</i> Barium chlorate, wetted, (uniformly)		6.1		6.1	6.1			

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(**************************************	334. (396)	BARIUM COMPOUNDS, N.O.S.*	UN1564	6.1	46 93 118	6.1	6.1	I	5 kg	50 kg
	335. (397)	BARIUM COMPOUNDS, N.O.S.*	UN1564	6.1	118	6.1	6.1	II	25 kg	100 kg
	336. (398)	BARIUM COMPOUNDS, N.O.S.*	UN1564	6.1	118	6.1	6.1	III	100 kg	200 kg
	338. (1657)	Barium hypochlorite with more than 22 per-cent available chlorine	UN2741	5.1 6.1	48	5.1	5.1	II	5 kg	25 kg
	339. (1998)	Barium nitrate	UN1446	5.1 6.1		5.1 6.1	5.1 6.1	II	5 kg	25 kg
	340. (2128)	Barium oxide	UN1884	6.1		6.1	6.1	III	100 kg	200 kg
	341. (2196)	Barium perchlorate <i>or</i> Barium perchlorate, solutions	UN1447	5.1 6.1		5.1 6.1	5.1 6.1	II	5 kg	25 kg
	342. (2216)	Barium permanganate	UN1448	5.1 6.1	94	5.1 6.1	5.1 6.1	II	5 kg	25 kg
	343. (2237)	Barium peroxide	UN1449	5.1 6.1	48	5.1 6.1	5.1 6.1	II	5 kg	25 kg
	344. (4)	Batteries, wet, filled with acid, electric, storage	UN2794	8	87	8	8	III	25 kg, Gross mass per package	NL

	_	COL	COL	COL	COL	COL	COL	COL	$\mathbf{COL}\dagger$	\mathbf{COL}_{\dagger}
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals	Item	Shipping Name and Description	Product identification Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
(continued)	Hem	and Description	Nullibei	uon	SIUIIS	uon	uon	Group	venicies	Airciait
(345. (5)	Batteries, wet, filled with alkali, electric, storage	UN2795	8	87	8	8	III	25 kg, Gross mass per package	NL
	346.	Batteries, wet, nonspillable	UN2800	8	44	8	8	III	NL	NL
		electric, storage			46 87					
	347.	Batteries, dry, containing potassium hydroxide, electric, storage	UN3028	8		8	8	III	25 KG Gross Mass per package	23 KG Gross Mass per package
	348. (1265)	Battery fluid, acid <i>or</i> Battery fluid, acid, <i>with</i> electronic	UN2796	8 9.2	56 100	8	8	II	1 L	30 L
		equipment <i>or</i> actuating device <i>or</i> Battery fluid, acid, <i>with battery</i>			109					
	349. (1266)	Battery fluid, alkali or Battery fluid, alkali, <i>with</i> electronic equipment or actuating device <i>or</i> Battery fluid, alkali, <i>with battery</i>	UN2797	8 9.2	56 109	8	8	Ш	1 L	30 L
	350. (229)	Benzaldehyde, <i>see</i> ALDEHYDES, N.O.S.*								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	351. (404)	Benzene	UN1114	3.2 9.2	109	3.2	3	II	5 L	60 L
	354. (405)	Benzene-1, 3-disulpho- hydrazide, not more than 52 percent as a paste	UN2971	4.1	39 46 48 83	4.1	4.1	II	15 kg	50 kg
	355. (1084)	Benzene phosphorus dichloride, see Phenyl phosphorus dichloride, etc.								
	356. (2913)	Benzene phosphorus thiodichloride, <i>see</i> Phenyl phosphorus thiodichloride, etc.								
	357. (406)	Benzene sulphohydrazide	UN2970	4.1	39 46 48	4.1	4.1	II	15 kg	50 kg
	358. <i>(713)</i>	Benzene sulphonyl chloride	UN2225	8		8	8	III	5 L	60 L
	360. (407)	Benzidine	UN1885	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	361. (61)	Benzoic acid (RL-230)	NA9094	9.2	49	-	-	III	-	-
	362.	BENZOIC DERIVATIVE PESTICIDES, LIQUID FLAMMABLE, TOXIC N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2770	3.2 6.1 9.2	46 109	3.2 6.1	36.1	I	p	30 L

		COL	COL	COL	COL	COL	COL	COL	\mathbf{COL}_{\dagger}	COL†
Table 4a		1	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals	Item	Shipping Name and Description	Product identification Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
(continued)	100111	unu Beser ipiton	1 (4111501	11011	510115	CIOI	11011	отопр	Verreies	111101410
	363.	BENZOIC DERIVATIVE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.* flashpoint not less than - 18°C but less than 23°C	UN2770	3.2 6.1 9.2	109	3.2 6.1	36.1	П	1 L	60 L
	364.	BENZOIC DERIVATIVE	UN3003	6.1	46	6.1	6.1	I	1 L	30 L
		PESTICIDES, LIQUID TOXIC,		3	89	3	3			
		FLAMMABLE, N.O.S.*		9.2	94					
		flashpoint not less than 23°C			109					
	365.	BENZOIC DERIVATIVE	UN3003	6.1	89	6.1	6.1	II	5 L	60 L
		PESTICIDES, LIQUID, TOXIC,		3	109	3	3			
		FLAMMABLE, N.O.S.*		9.2						
		flashpoint not less than 23°C								
	366.	BENZOIC DERIVATIVE	UN3004	6.1	46	6.1	6.1	I	1 L	30 L
		PESTICIDES, LIQUID, TOXIC,		9.2	94					
		N.O.S.*			109					
	367.	BENZOIC DERIVATIVE	UN3004	6.1	109	6.1	6.1	II	5 L	60 L
		PESTICIDES, LIQUID, TOXIC,		9.2						
		N.O.S.*								
	368.	BENZOIC DERIVATIVE	UN3004	6.1	109	6.1	6.1	III	60 L	220 L
		PESTICIDES, LIQUID,								
		TOXIC, N.O.S.*								
	369.	BENZOIC DERIVATIVE	UN2769	6.1	46	6.1	6.1	I	5 KG	50 KG
		PESTICIDES, SOLID, TOXIC,		9.2	93					
		N.O.S.*			109					

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	370.	BENZOIC DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2769	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	371.	BENZOIC DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2769	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	372. <i>(412)</i>	Benzonitrile	UN2224	6.1 9.2	102 109	6.1	6.1	II	5 L	60 L
	373. (413)	Benzoquinone	UN2587	6.1		6.1	6.1	II	25 kg	100 kg
	374. (718)	Benzotrichloride	UN2226	8		8	8	II	1 L	30 L
	375. (2974)	Benzotrifluoride	UN2338	3.2		3.2	3	II	5 L	60 L
	378.	Benzoyl chloride	UN1736	8 9.2	109	8	8	II	1 L	30 L
	379. (2238)	Benzoyl peroxide, <i>see</i> Dibenzoyl peroxide, etc.								
	381. (715)	Benzyl chloride	UN1738	6.1 8 9.2	56 99 109	6.1 8	6.1 8	II	1 L	30 L
	382. (657)	Benzyl chloroformate	UN1739	8	46 56 90 99 118	8	8	Ι	p	2.5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	383. <i>(415)</i>	Benzyl dimethylamine	UN2619	8		8 3	8	II	1 L	30 L
	384. (716)	4-[Benzyl(ethyl)amino]-3- ethoxy-benzenediazonium zinc chloride	UN3037	4.1	46 48 99 +40°C +45°C	4.1	4.1	II	p	p
	385. (717)	Benzylidene chloride	UN1886	6.1	99	6.1	6.1	II	5 L	60 L
	386. (1677)	Benzyl iodide	UN2653	6.1		6.1	6.1	II	5 L	60 L
	387. (719)	4-[Benzyl(methyl)amino]-3- ethoxy- benzenediazonium zinc chloride	UN3038	4.1	46 48 99 +40°C +45°C	4.1	4.1	II	p	p
	388. <i>(720)</i>	Beryllium chloride, see Beryllium compounds, n.o.s.*								
	389. (416)	Beryllium compounds, n.o.s.*	UN1566	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	390. (1428)	Beryllium fluoride, see Beryllium compounds, n.o.s.*								
	391. (2000)	Beryllium nitrate	UN2464	5.1 6.1 9.2	109	5.1 6.1	5.1 6.1	II	5 kg	25 kg
	393. (424)	Bifluorides, n.o.s.*	UN1740	8	89	8	8	П	15 kg	50 kg

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuea)	395.	BIPYRIDILIUM PESTICIDES LIQUID, FLAMMABLE, TOXIC N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2782	3.2 6.1 9.2	46 56 109	3.2 6.1	36.1	I	p	30 L
	396.	BIPYRIDILIUM PESTICIDES LIQUID, FLAMMABLE, TOXIC N.O.S.*, flashpoint not less than -18°C but less than 24°C	UN2782	3.2 6.1	56 109	3.2 6.1	36.1	II	1 L	60 L
	397.	BIPYRIDILIUM PESTICIDES, LIQUID, TOXIC, FLAMMABLE N.O.S.*, flashpoint not less than 23°C	UN3015	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L
	398.	BIPYRIDILIUM PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3015	6.1 3 9.2	56 89 109	6.1	6.1	II	5 L	60 L
	399.	BIPYRIDILIUM PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3016	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	301
	400.	BIPYRIDILIUM PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3016	6.1 9.2	56 109	6.1	6.1	П	5 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	-									
	401.	BIPYRIDILIUM PESTICIDES,	UN3016	6.1	109	6.1	6.1	III	60 L	220 L
		LIQUID, TOXIC, N.O.S.*		9.2						
	402.	BIPYRIDILIUM PESTICIDES,	UN2781	6.1	46	6.1	6.1	I	5 kg	50 kg
		SOLID, TOXIC, N.O.S.*		9.2	93					
					109					
	403.	BIPYRIDILIUM PESTICIDES,	UN2781	6.1	109	6.1	6.1	II	25 kg	100 kg
	10.1	SOLID, TOXIC, N.O.S.*	T 7 7 2 5 0 1	9.2	100				1001	
	404.	BIPYRIDILIUM PESTICIDES,	UN2781	6.1	109	6.1	6.1	III	100 kg	200 kg
		SOLID,		9.2						
	405.	Bisulphites, inorganic, aqueous	UN2693	8	109	8	8	III	5 L	60 L
	(430)	solutions, n.o.s.*		9.2						
	406.	Bleaching powder, see Calcium								
	(725)	hypochlorite, etc.								
	409.	Borate and chlorate mixtures,								
	(440)	see Chlorate and borate mixtures								
	410.	Bordeaux arsenite, liquid, see								
		ARSENICAL PESTICIDES,								
		LIQUID, etc.								
	411.	Bordeaux arsenite, solid, see								
		ARSENICAL PESTICIDES,								
	41.0	SOLID, etc.	TD 1101				4.4	***	0.5.1	1001
	412.	Borneol	UN131	4.1		4.1	4.1	III	25 kg	100 kg
	(441)		2							

COL COL COL COL COL COL COL COL[†] COL[†] \mathbf{V} VI VII VIII IX I П Ш IV Table 4a **ICAO Passenger Product** IMO Discarded Class-Class-Aircraft & identi-Class-**Special** Packcommercial **Shipping Name** fication ifica-Proviificaificaing **Passenger** Cargo chemicals and Description Number tion Vehicles Aircraft Item sions tion tion Group (continued) 413. Boron tribromide UN2692 8 46 8 2.5 L 8 Ι p 56 (2943)90 46 414. Boron trichloride UN1741 2.4 2.2 2 X p p (2958)56 8 8 99 102 Boron trifluoride UN1008 2.3 46 2.3 2 X 415. p p (2975)56 6.1 79 88 99 102 Boron trifluoride acetic acid UN1742 8 II 30 L 416. 8 8 1 L (2977)complex 89 4.3 0.5 L 2.5 L 417. Boron trifluoride diethyl etherate UN2604 8 8 Ι (1346)3 99 8 3 3 418. Boron trifluoride dihydrate UN2851 8 50 kg Π 15 kg (2976)419. Boron trifluoride dimethyl UN2965 4.3 46 4.3 4.3 П 1 L 5 L (1347)etherate 99 8 8 3 8 420. Boron trifluoride propionic acid UN1743 8 II 1 L 30 L

complex

(2978)

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(**************************************	421. (1739)	BRAKE FLUID, hydraulic, having a flashpoint not less than -18°C but less than 23°C	UN1118	3.2		-	-	I	-	-
	422. (1740)	BRAKE FLUID, hydraulic, having a flashpoint not less than -18°C but less than 23°C	UN1118	3.2	89	3.2	3	II	5 L	60 L
	423. (1741)	BRAKE FLUID, hydraulic, having a flashpoint not less than -18°C but less than 23°C	UN1118	3.2	89	-	3	III	60 L	220 L
	424. (1742)	BRAKE FLUID, hydraulic, having a flashpoint not less than 23°C	UN1118	3.3	89	-	-	I	-	-
	425. (1743)	BRAKE FLUID, hydraulic, having a flashpoint not less than 23°C	UN1118	3.3	89	-	3	III	60 L	220 L
	426. (458)	Bromates, inorganic, n.o.s.*	UN1450	5.1		5.1	5.1	II	5 kg	25 kg
	427. (459)	Bromine or Bromine solutions	UN174 4	8 6.1	46 56 90 99 102	8 6.1	8 6.1	I	p	2.5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(Comunueu)	429. (721)	Bromine chloride	UN290 1	2.3 5.1 8 8	46 48 56 88 99 102	2.3 5.1 8	2 5.1 6.1 8	X	p	p
	430. (2179)	Bromine pentafluoride	UN174 5	5.1 6.1 8	46 56 88 99 102	5.1 6.1 8	5.1 6.1 8	Ι	p	p
	431. (2979)	Bromine trifluoride	UN1746	5.1 6.1 8	46 56 88 99 102	5.1 6.1 8	5.1 6.1 8	I	p	p
	432. (64)	Bromoacetic acid, solid	UN1938	8	102	8	8	II	15 kg	50 kg
	433. (63)	Bromoacetic acid, solution	UN1938	8		8	-	II	-	-
	435. (485)	Bromoacetyl bromide	UN2513	8	46	8	8	II	1 L	30 L
	436. (468)	Bromobenzene	UN2514	3.3		3.3	3	III	60 L	220 L
	437. (856)	Bromobenzyl cyanides	UN1694	6.1	46 90 99 102	6.1	6.1	I	p	30 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I COL	II	III	IV	V	VI	VII	VIII	COL† IX
Discarded		-	Product			IMO	ICAO	, 11	Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
chemicals	_	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(communica)	438.	2-Bromobutane	UN2339	3.2		3.2	3	II	5 L	60 L
	(460)									
	439.	Bromochloromethane	UN1887	6.1		6.1	6.1	III	60 L	220 L
	(469)									
	441.	2-Bromoethyl ethyl ether	UN2340	3.2		3.2	3	II	5 L	60 L
	(1317)	D (ID10515	<i>c</i> 1		<u> </u>	<i>c</i> 1	***	60 I	220.1
	442.	Bromoform	UN2515	6.1		6.1	6.1	III	60 L	220 L
	<u>(470)</u> 443.	1-Bromo-3-methylbutane	UN2341	3.2	89	3.2	3	III	60 L	220 L
	(463)	1 Bromo 3 methyrodiane	0112541	5.2	0)	3.2	3	111	00 L	220 L
	444.	BROMO-METHYLPROPANES	UN2342	3.2		3.2	3	II	5 L	60 L
	(471)									
	445.	BROMO-METHYLPROPANES	UN2342	3.2		-	3	III	60 L	220 L
	(472)									
	446.	BROMO-METHYLPROPANES	UN2342	3.3	89	-	3	III	60 L	220 L
	(473)	2 D	I INIO 2 4 2	3.2		3.2	3	II	5 L	60 L
	448. (465)	2-Bromopentane	UN2343	3.2		3.2	3	11	3 L	00 L
	449.	2-Bromopropane	UN2344	3.2	89	3.2	3	II	5 L	60 L
	(474)	2 Bromopropune	01(2511	3.2	0)	3.2	J	11	3 L	00 L
	450.	3-Bromopropyne, stabilized	UN2345	3.2	46	3.2	3	II	5 L	60 L
	(466)				75					
	-				84					
	452.	Bromotrifluoroethylene	UN2419	2.1	46	2.1	2	X	p	150 kg
	(476)				48		3			
					90					
					99					

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	453. (477)	Bromotrifluoromethane (R13B1)	UN1009	2.2		2.2	2	X	75 kg	150 kg
	456. (506)	Butadienes, inhibited	UN1010	2.1	56 84 90 102 110	2.1	2 3	X	p	150 kg
	457. (507)	Butane or Butane mixtures	UN1011	2.1	56 90 102	2.1	2 3	X	p	150 kg
	458. (508)	BUTANEDIONE or DIACETYL	UN2346	3.2		3.2	3	II	5 L	60 L
	459. (509)	BUTANEDIONE or DIACETYL	UN2346	3.2		-	3	III	60 L	220 L
	460. (510)	BUTANEDIONE or DIACETYL	UN2346	3.3	89	-	3	III	60 L	220 L
	462. (511)	BUTANOLS	UN1120	3.2		3.2	3	II	5 L	60 L
	463. (512)	BUTANOLS	UN1120	3.2		-	3	III	60 L	220 L
	464. (513)	BUTANOLS	UN1120	3.3		3.3	3	II	5 L	60 L
	465. (514)	BUTANOLS	UN1120	3.3		-	3	III	60 L	220 L
	467. (515)	Butoxyl	UN2708	3.3		3.3	3	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	468. (35)	BUTYL ACETATES	UN1123	3.2 9.2	109	3.2	3	II	5 L	60 L
	469. (36)	BUTYL ACETATES	UN1123	3.2 9.2	109	-	3	III	60 L	220 L
	470. <i>(37)</i>	BUTYL ACETATES	UN1123	3.3 9.2	109	3.3	3	III	60 L	220 L
	471. (2558)	Butyl acid phosphate <i>or</i> Acid butyl phosphate	UN1718	8		8	8	III	5 L	60 L
	472. <i>(171)</i>	BUTYL ACRYLATE, inhibited	UN2348	3.3	84	3.3	3	II	5 L	60 L
	473. (172)	BUTYL ACRYLATE, inhibited	UN2348	3.3	84	-	3	III	60 L	220 L
	474. (519)	n-Butylamine	UN1125	3.2 9.2	109	3.2	3	II	5 L	60 L
	475. (520)	sec-Butylamine, see FLAMMABLE LIQUIDS, N.O.S.*								
	476. (521)	tert-Butylamine, <i>see</i> FLAMMABLE LIQUIDS, N.O.S.*								
	477. (522)	N-Butylaniline	UN2738	6.1		6.1	6.1	II	5 L	60 L
	478. (516)	Butyl benzenes	UN2709	3.3		3.3	3	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	479. (486)	n-BUTYL BROMIDE	UN1126	3.2		3.2	3	II	5 L	60 L
	480. (487)	n-BUTYL BROMIDE	UN1126	3.3		3.3	3	II	5 L	60 L
	481. <i>(722)</i>	Butyl chloride, <i>see</i> Chlorobutanes, etc.								
	482. (659)	n-Butylchloroformate	UN2743	6.1 8		6.1 8 3	6.1 8	II	1 L	30 L
	483. (2239)	tert-Butyl cumyl peroxide, technically pure <i>or</i> tert-Butyl isopropyl benzene hydroperoxide	UN2091	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	484. (658)	tert-Butylcyclohexyl- chloroformate	UN2747	6.1	73	6.1	6.1	III	60 L	220 L
	485. (3043)	n-Butyl-4, 4-di-(tert- butylperoxy) valerate, not more than 52 per- cent, with inert solid	UN2141	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	486. (3044)	n-Butyl-4, 4-di-(tert- butylperoxy) valerate, technically pure	UN2140	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	487. (523)	Butylene	UN1012	2.1	56 90 102	2.1	2 3	X	p	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
, ,	488. (2129) 489. (1348)	1, 2-Butyleneoxide, stabilized Butyl ethers, <i>see</i> Dibutyl ethers, etc.	UN3022	3.2	84	3.2	3	II	5 L	60 L
	490. (1451)	n-Butyl formate or Butyl formate	UN1128	3.2		3.2	3	II	5 L	60 L
	491. (1611)	tert-Butyl hydroperoxide more than 72 percent but not more than 90 percent, with water	UN2094	5.2 I	46 48 56 63 74 83 99	5.2	5.2 I	I	1 L	5 L
	492. (1610)	tert-Butyl hydro-peroxide, not more than 72 percent, with water	UN2093	5.2	46 56 63 89 99	5.2	5.2 I	II	1 L	5 L
	493. (1612)	tert-Butyl hydroperoxide, not more than 80 per-cent in di-tert- butyl peroxide, or tert-Butyl hydroperoxide, not more than 80 percent in di-tert-butyl peroxide and solvent or tert-Butyl hydroperoxide, not more than 80 percent in solvent	UN2092	5.2 3 I	46 48 53 56 83 99	5.2	5.2 3 I	I	1 L	5 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	494. (517)	N-n-Butyl imidazole	UN2690	6.1		6.1	6.1	II	5 L	60 L
	495. (1697)	n-Butyl isocyanate	UN2485	3.2 6.1	46 90 99	3.2 6.1	3 6.1	II	p	60 L
	496. (1698)	tert-Butyl isocyanate	UN2484	3.2 6.1	46 99	3.2 6.1	3 6.1	I	p	30 L
	497. (1613)	tert-Butyl isopropyl benzene hydroperoxide, see tert-Butyl cumylperoxide, etc.								
	498. (1834)	Butyl mercaptan	UN2347	3.2	56 110	3.2	3	II	5 L	60 L
	499. (1874)	n-Butyl methacrylate	UN2227	3.3		3.3	3	III	60 L	220 L
	500. (1318)	Butyl methyl ether	UN2350	3.2		3.2	3	II	5 L	60 L
	501. (1943)	tert-Butyl monoperoxy-maleate, not more than 55 percent as a paste	UN2101	5.2	48 56 63 83 99	5.2	5.2	II	5 kg	10 kg
	502. (1944)	tert-Butyl monoperoxy-maleate, not more than 55 percent in solution	UN2100	5.2	48 56 63 83 99	5.2	5.2	П	5 L	10 L

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provi- sions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	Item	and Description	Number	tion	810118	uon	uon	Group	venicies	Aircrait
	503. (1945)	tert-Butyl monoperoxy-maleate, technically pure	UN2099	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	504. (1946)	tert-Butyl monoperoxy- phthalate, technically pure	UN2105	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	505. (2058)	Butyl nitrites	UN2351	3.2	100	3.2	3	П	5 L	60 L
	506. (2240)	tert-Butyl peroxide, <i>see</i> Di-tert-butyl peroxide, etc.								
	507. (2222)	tert-Butyl peroxyacetate, not more than 52 percent in solution	UN2096	5.2	48 56 63 99	5.2	5.2	II	5 L	10 L
	508. (2223)	tert-Butyl peroxyacetate, not more than 76	UN2095	5.2 E	46 48 83 99	5.2 E	5.2 E	II	p	p
	509. (2225)	tert-Butyl pero-xybenzoate, not more than 50 percent with inert inorganic solid	UN2890	5.2	48 56 99	5.2	5.2	II	5 kg	10 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	510. (2226)	tert-Butyl pero-xybenzoate, not more than 75 percent in solution	UN2098	5.2	48 56 63 99	5.2	5.2	II	5 L	10 L
	511. (2227)	tert-Butyl pero-xybenzoate, more than or tert-Butyl technically pure	UN2097	5.2 E	46 48 83 99	5.2 E	5.2 E	II	p	p
	512. (2228)	tert-Butyl pero-xycrotonate, not more than 76 percent in solution	UN2183	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	513. (2312)	n-Butyl peroxydicarbonate, <i>see</i> Di-n-butyl peroxydicarbonate, etc.								
	514. (2338)	tert-Butyl peroxydiethylacetate, not more than 33 percent, with tert-Butyl peroxybenzoate, not more than 33 percent, and solvent	UN2551	5.2	48 56 63 83 99	5.2	5.2	П	5 L	10 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(comment)	515. (2339)	tert-Butyl peroxy-diethylacetate, technically pure	UN2144	5.2 E	46 48 56 83 99 +20°C +25°C	5.2 E	5.2 E	II	p	p
	516. (1360)	tert-Butyl peroxy-2- ethylhexanoate, not more than 12 percent with 2, 2-Di-(tert- butylperoxy) butane, not more than 14 percent, with not less than 14 percent phlegmatiser, and 60 per-cent inert in organic solid	UN2887	5.2	48 83 99	5.2	5.2	II	5 kg	10 kg
	517. (1361)	tert-Butyl peroxy-2- ethylhexanoate, not more than 30 percent with 2, 2-Di-(tert- butyl peroxy) butane, not more than 35 percent, with not less than 35 per- cent phlegmatiser	UN2886	5.2	46 48 83 99 +35°C +40°C	5.2	5.2	II	p	p
	518. (1362)	tert-Butyl peroxy-2- ethylhexanoate, not more than 50 percent with phlegmatiser	UN2888	5.2	46 48 56 83 99 +35°C +40°C	5.2	5.2	II	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	519. (1363)	tert-Butyl peroxy-2- ethylhexanoate, technically pure	UN2143	5.2 E	46 48 56 83 99 +20°C +25°C	5.2 E	5.2 E	П	p	p
	520. (2342)	tert-Butyl peroxy- isobutyrate, more than 52 percent but not more than 77 percent in solution	UN2142	5.2 E	46 48 56 83 99 +15°C +20°C	5.2 E	5.2 E	П	p	p
	521. (2341)	tert-Butyl peroxy-isobutyrate, not more than 52 percent in solution	UN2562	5.2	46 48 56 99 +15°C +20°C	5.2	5.2	П	p	p
	522. (566)	tert-Butyl peroxy-isopropyl carbonate, <i>technically pure</i>	UN2103	5.2 E	46 48 56 83 99	5.2 E	5.2 E	П	p	p

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provi- sions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	523. (2344)	tert-Butyl peroxy-neodecanoate, not more than 77 percent in solution	UN2177	5.2	46 48 56 83 99 0°C +10°C	5.2	5.2	П	p	p
	524. (2345)	tert-Butyl peroxy-neodecanoate, technically pure	UN2594	5.2	46 48 56 83 99 -5°C +5°C	5.2	5.2	П	p	p
	525. (2287)	3-tert-Butyl peroxy-3- phenylphthalide, <i>technically</i> <i>pure</i>	UN2596	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	526. (2349)	tert-Butyl peroxy-pivalate, more than 72 percent but not more than 77 percent in solution	UN2110	5.2 E	46 48 56 83 99 0°C +10°C	5.2 E	5.2	П	p	p
	527. (2350)	tert-Butyl pero-xypivalate, not more than 72 percent in solution	UN3047	5.2	46 48 99 0°C +10°C	5.2	5.2	II	p	p

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	528. (524)	tert-Butylperoxy stearyl carbonate, <i>technically pure</i>	UN3062	5.2	48 83 100 110	-	5.2	II	5 kg	10 kg
	529. (2991)	tert-Butyl peroxy-3, 5, 5- trimethyl-hexanoate or tert-utyl peroxyisononanoate, <i>technically</i> <i>pure</i>	UN2104	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	530. (525)	Butylphenols, liquid	UN2228	6.1	118	6.1	6.1	III	60 L	220 L
	531. (526)	Butylphenols, solid	UN2229	6.1	118	6.1	6.1	III	100 kg	200 kg
	532. (2590)	n-Butyl phthalate (RL-5)	NA9095	9.2	49 110	-	-	II	-	-
	533. (2636)	Butylpropionate	UN1914	3.3	89	3.3	3	III	60 L	220 L
	534. (518)	Butyl toluenes	UN2667	6.1	118	6.1	6.1	III	60 L	220 L
	535. (527)	Butyltrichlorosilane	UN1747	8	46 56 90	8 3	8	II	p	30 L
	536. (528)	5-tert-Butyl-2, 4, 6-trinitro-m-xylene <i>or</i> Musk xylene	UN2956	4.1 E	46 48 99	4.1 E	4.1 E	III	p	p
	537. (1319)	Butyl vinyl ether, inhibited	UN2352	3.2	84	3.2	3	II	5 L	60 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	538. (529)	1-Butyne, <i>see</i> Ethyl acetylene, inhibited, etc.								
	539. (530)	1, 4-Butynediol	UN2716	6.1		4.1	6.1	III	100 kg	200 kg
	540. (531)	Butyraldehyde	UN1129	3.2		3.2	3	II	5 L	60 L
	541. (532)	Butyraldoxime	UN2840	3.3		3.3	3	III	60 L	220 L
	542. (67)	Butyric acid	UN2820	8		8	8	III	5 L	60 L
	543. (307)	Butyric anhydride	UN2739	8		8	8	III	5 L	60 L
	544. (541)	Butyronitrile	UN2411	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	545. (723)	Butyryl chloride	UN2353	3.2 8		3.2 8	3 8	II	1 L	5 L
	547. (68)	Cacodylic acid	UN1572	6.1	99 118	6.1	6.1	II	25 kg	100 kg
	548. (14)	Cadmium acetate, see CADMIUM COMPOUNDS, n.o.s.*								
	549. (488)	Cadmium bromide, see CADMIUM COMPOUNDS, n.o.s.*								
	550. (724)	Cadmium chloride, see CADMIUM COMPOUNDS, n.o.s.*								

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(commed)	551. (544)	CADMIUM COMPOUNDS, n.o.s.*	UN2570	6.1 9.2	46 93 109 118	6.1	6.1	I	5 kg 5	0 kg
	552. (545)	CADMIUM COMPOUNDS, n.o.s.*	UN2570	6.1 9.2	109 118	6.1	6.1	II	25 kg	100 kg
	553. (546)	CADMIUM COMPOUNDS, n.o.s.*	UN2570	6.1 9.2	109 118	6.1	6.1	III	100 kg	200 kg
	554. (547)	Caesium or Cesium metal	UN1407	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	555. (1631)	Caesium hydroxide	UN2682	8	56	8	8	II	15 kg	50 kg
	556. (1632)	Caesium hydroxide, solution	UN2681	8	56	8	8	II	1 L	30 L
	557. (2001)	Caesium nitrate	UN1451	5.1		5.1	5.1	III	25 kg	100 kg
	558. (548)	Calcium <i>or</i> Calcium metal <i>or</i> Calcium alloys <i>or</i> Calcium metal, crystalline	UN1401	4.3	46 48 99	4.3	4.3	II	15 kg	50 kg
	559. (334)	Calcium arsenate	UN1573	6.1 9.2	109 118	6.1	6.1	II	25 kg	100 kg
	560. (333)	Calcium arsenate <i>and</i> calcium arsenite, mixtures, solid	UN1574	6.1	118	6.1	6.1	II	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	561. (353)	Calcium arsenite, solid, <i>see</i> Calcium arsenate <i>and</i> calcium arsenite, mixtures, solid								
	562. (571)	Calcium carbide	UN1402	4.3 9.2	46 56 109	4.3	4.3	II	15 kg	50 kg
	563. (611)	Calcium chlorate	UN1452	5.1		5.1	5.1	II	5 kg	25 kg
	564. (612)	Calcium chlorate, solution	UN2429	5.1	56	5.1	5.1	II	1 L	5 L
	565. (634)	Calcium chlorite	UN1453	5.1	46 48 56	5.1	5.1	II	5 kg	25 kg
	566. (787)	Calcium chromate (RL-0.5)	NA9096	9.2	40	-	-	III	-	-
	567. (837)	Calcium cyanamide with more than 0.1 percent calcium carbide	UN1403	4.3	46 48 77	4.3	4.3	III	25 kg	100 kg
	569. (1252)	Calcium dithionite <i>or</i> Calcium hydrosulphite	UN1923	4.2	48 99	4.2	4.2 I	II	15 kg	50 kg
	570. (1257)	Calcium dodecylbenzene- sulphonate (<i>RL-50</i>)	NA9097	9.2	49	-	-	II	-	-
	571. (1645)	Calcium hydride	UN1404	4.3	46 48 99	4.3	4.3	I	p	15 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	572. (1625)	Calcium hydrogen sulphite solution <i>or</i> Calcium bisulphite solution, see Bisulphites, inorganic, <i>aqueous solutions</i> , n.o.s.*								
	573. (1626)	Calcium hydrosulphite, see Calcium dithionite, etc.								
	574. (1660)	Calcium hypochlorite, dry or Calcium hypochlorite mixtures with more than 39 percent available chlorine (8.8 percent available oxygen)	UN1748	5.1 9.2	48 99 109	5.1	5.1	II	5 kg	25 kg
	575. (1659)	Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated, mixtures with not less than 5.5 percent but not more than 10 per-cent water	UN2880	5.1 9.2	109	5.1	5.1	II	5 kg	25 kg
	576. (1658)	Calcium hypochlorite mixtures, dry with more than 10 percent but not more than 39 percent available chlorine	UN2208	5.1 9.2	89 109	5.1	5.1	II	25 kg	100 kg
	577. (2747)	Calcium manganese silicon	UN2844	4.3		4.3	4.3	III	25 kg	100 kg

Table 4a	_	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	578. (2002)	Calcium nitrate	UN1454	5.1		5.1	5.1	III	25 kg	100 kg
	580. (2197)	Calcium perchlorate <i>or</i> Calcium perchlorate solutions	UN1455	5.1		5.1	5.1	II	5 kg	25 kg
	581. (2217)	Calcium permanganate	UN1456	5.1	99	5.1	5.1	II	5 kg	25 kg
	582. (2241)	Calcium peroxide	UN1457	5.1	48	5.1	5.1	II	5 kg	25 kg
	583. (2582)	Calcium phosphide	UN1360	4.3	46 48 56 99 102	4.3	4.3	I	p	15 kg
	584. (549)	Calcium, pyrophoric <i>or</i> Calcium alloys, pyrophoric	UN1855	4.2	46 48 88 99	4.2	4.2	П	p	p
	585. (2701)	Calcium resinate	UN1313	4.1	48 56 110	4.1	4.1	III	25 kg	100 kg
	586. (2702)	Calcium resinate, fused	UN1314	4.1	48 56 110	4.1	4.1	III	25 kg	100 kg
	587. (2742)	Calcium silicide	UN1405	4.3	48	4.3	4.3	II	15 kg	50 kg

Table 4a Discarded	_	COL I	COL II Product identi-	COL III Class-	COL IV	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Special Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	588. (2745)	Calcium silicon	UN1406	4.3		4.3	4.3	III	25 kg	100 kg
	590. (1576)	Camphor oil	UN1130	3.3	118	3.3	3	III	60 L	220 L
	591. (552)	Camphor, synthetic	UN2717	4.1		4.1	4.1	III	25 kg	100 kg
	592. (69)	Caproic acid or Hexanoic acid	UN2829	8		8	8	III	5 L	60 L
	593. (2242)	Caprylyl peroxide, solution, <i>see</i> Di-n-octanoylperoxide, solution, etc.								
	594.	Captan, see PHTHALIMIDE DERIVATIVE PESTICIDES, etc.								
	595.	CARBAMATE PESTICIDES, LIQUID, FLAMMABLE, TOXIC N.O.S.*, flash-point not less than -18°C but less than 23°C	UN2758	3.2 6.1 9.2	46 56 109 118	3.2 6.1	36.1	I	p	30 L
	596.	CARBAMATE PESTICIDES LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flash-point not less than-18°C but less than 23°C	UN2758	3.2 6.1 9.2	56 109 118	3.2 6.1	3.6 6.1	П	1 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II Dana dana 4	Ш	IV	V	VI	VII	VIII	IX
Discarded			Product identi-	Class-	Special	IMO Class-	ICAO Class-	Pack-	Passenger Aircraft &	
commercial		Shipping Name	fication	Class- ifica-	Speciai Provi-	Ciass- ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	Ittili	and Description	Number	tion	510115	tion	uon	Group	Venicies	Anciait
(2011111111111)	597.	CARBAMATE PESTICIDES,	UN2991	6.1	46	6.1	6.1	I	1 L	30 L
	571.	LIQUID, TOXIC,	01(2))1	3	56	3	3	1	1 2	30 L
		FLAMMABLE, N.O.S.*,		9.2	89	J	J			
		flashpoint not less than 23°C		, . <u>_</u>	94					
		juisiip eilii itet tess tilaii 20			109					
					118					
	598.	CARBAMATE PESTICIDES,	UN2991	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC,		3	89	3	3			
		FLAMMABLE, N.O.S.*,		9.2	109					
		flashpoint not less than 23°C			118					
	599.	CARBAMATE PESTICIDES,	UN2992	6.1	46	6.1	6.1	I	1 L	30 L
		LIQUID, TOXIC, N.O.S.*		9.2	56					
					94					
					109					
					118					
	600.	CARBAMATE PESTICIDES,	UN2992	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC, N.O.S.*		9.2	109					
					118					
	601.	CARBAMATE PESTICIDES,	UN2992	6.1	109	6.1	6.1	III	60 L	220 L
		LIQUID, TOXIC, N.O.S.*		9.2	118					
	602.	CARBAMATE PESTICIDES,	UN2757	6.1	46	6.1	6.1	I	5 kg	50 kg
		SOLID, TOXIC, N.O.S.*		9.2	93					
					109					
					118					1001
	603.	CARBAMATE PESTICIDES,	UN2757	6.1	109	6.1	6.1	II	25 kg	100 kg
		SOLID, TOXIC, N.O.S.*		9.2	118					

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	604.	CARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2757	6.1 9.2	109 118	6.1	6.1	III	100 kg	200 kg
	605.	Carbaryl, <i>see</i> CARBAMATE PESTICIDES, etc.								
	606.	Carbofuran, <i>see</i> CARBAMATE PESTICIDES, etc.								
	607.	Carbofuran mixture, <i>see</i> CARBAMATE PESTICIDES, etc.								
	610. (1212)	Carbon dioxide, compressed <i>or</i> Carbondioxide	UN1013	2.2		2.2	2	X	75 kg	150 kg
	611. (1215)	Carbon dioxide liquefied, <i>see</i> Carbon dioxide, refrigerated liquid								
	612. (1214)	Carbon dioxide <i>and</i> ethylene oxide mixtures <i>with more than 6</i> per-cent ethylene oxide	UN1041	2.1 6.1	46 56 90 102	2.3 2.1 6.1	2 3	X	p	25 kg
	613. (1213)	Carbon dioxide <i>and</i> ethylene oxide mixtures <i>with not more</i> than 6 per-cent ethylene oxide	UN1952	2.2	56 102	2.2	2	X	75 kg	150 kg
	614. (1218)	Carbon dioxide <i>and</i> nitrous oxide mixtures	UN1015	2.2		2.2	2	X	75 kg	150 kg

	_									
Table 4a	-	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	615. (1217)	Carbon dioxide <i>and</i> oxygen mixtures	UN1014	2.2		2.2	2	X	75 kg	150 kg
	616. (1216)	Carbon dioxide, refrigerated liquid <i>or</i> Carbon dioxide, liquefied	UN2187	2.2	46	2.2	2	X	50 kg	500 kg
	617. (1219)	Carbon dioxide, solid <i>or</i> Dry ice or Carbonice	UN1845	9.1	44	9	9	III	200 kg	200 kg
	619. (1947)	Carbon monoxide	UN1016	2.1 6.1	46 56 90 99 102	2.1 2.3 6.1	2 3	X	p	25 kg
	620. (1949)	Carbon monoxide <i>and</i> hydrogen mixture	UN2600	2.1 6.1	46 56 88 99 102	2.3 2.1 6.1	2 3	X	p	p
	622. (996)	Carbon remover, liquid	UN1132	-		3.2	-	П	-	-
	623. (2856)	Carbon tetrabromide	UN2516	6.1		6.1	6.1	III	100 kg	200 kg
	624. (2859)	Carbon tetrachloride (R10)	UN1846	6.1 9.2	46 109	6.1	6.1	II	5 L	60 L

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	625. (1429)	Carbonyl fluoride	UN2417	2.3	46 48 56 88 90 99	2.3 6.1	2	X	p	p
	626. (2830)	Carbonyl sulphide	UN2204	2.3 2.1	102 46 48 56 79 99 102	2.3 2.1 6.1	2 3	X	p	25 kg
	627. (1512)	Castor beans or Castor meal <i>or</i> Castor pomace <i>or</i> Castor flake	UN2969	9.1	44 99	9	9	П	NL	NL
	628. (1744)	Caustic alkali liquids, n.o.s.*	UN1719	8	89	8	8	II	1 L	30 L
	629. (2614) 630. (2780)	Caustic potash, <i>see</i> Potassium hydroxide, etc. Caustic soda, <i>see</i> Sodium hydroxide, etc.								
	631. (574)	Celluloid, in blocks, rods, rolls, sheets, tubes, etc., except scrap	UN2000	4.1	48	4.1	4.1	III	25 kg	100 kg
	632. (575)	Celluloid, scrap	UN2002	4.2	48 88 99	4.2	4.2	III	p	p

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Passenger Vehicles	Cargo Aircraft
	633. (576)	Cerium, crude	UN1333	4.1	99	4.1	4.1	II	15 kg	50 kg
	634. (577)	Cerium, crude, compact form	UN1333	4.1		4.1	4.1	III	25 kg	100 kg
	635. (578)	Cesium metal, see Caesium, etc.								
	638. (1973)	Chemical kits (containing corrosive substances)	8	91	-	Y	II	-	-	
	639. (605)	Chloral, anhydrous, inhibited	UN2075	6.1	84 99	6.1	6.1	II	25 kg	100 kg
	640. (623)	Chlorate and borate mixtures	UN1458	5.1		5.1	5.1	II	5 kg	25 kg
	641. (624)	Chlorate <i>and</i> magnesium chloride mixtures, solid or solutions	UN1459	5.1		5.1	5.1	II	5 kg	25 kg
	642. (625)	Chlorates, inorganic, n.o.s.*	UN1461	5.1		5.1	5.1	II	5 kg	25 kg
	643.	Chlordane <i>or</i> Chlordane mixtures, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	644. (73)	Chloric acid solution with not more than 10 percent chloric acid	UN2626	5.1	46 48 83 88 99	5.1	5.1	II	p	p

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	645.	Chlorinated camphene <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	646.	Chlorine	UN1017	2.4	46 56 88 99 102 118	2.3	2	X	P	P
	650. (2180)	Chlorine pentafluoride	UN2548	2.3 5.1 8	46 48 56 88 99 102	2.3 5.1 8 8	2 5.1 6.1	X	p	p
	651. (2980)	Chlorine trifluoride	UN1749	2.3 5.1 8	46 48 56 88 99 102	2.3 5.1 8 8	2 5.1 6.1	X	p	p
	652. (637)	Chlorites, inorganic, n.o.s.*	UN1462	5.1	46 48 82	5.1	5.1	II	5 kg	25 kg
	654. (70)	Chloroacetic acid, liquid	UN1750	8	46 75	8	8	II	1 L	30 L
	655. (71)	Chloroacetic acid, solid	UN1751	8	46 75	8	8	П	15 kg	50 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	656. (601)	Chloroacetone, stabilized <i>or</i> Monochloroacetone, stabilized	UN1695	6.1	46 56 84 88 99 102	6.1	6.1	II	p	p
	657. (602)	Chloroacetonitrile	UN2668	6.1	102	6.1	6.1	II	5 L	60 L
	658. (603)	Chloroacetophenone, liquid	UN1697	6.1	46 56 90 96 99 102	6.1	6.1	II	p	60 L
	659. (604)	Chloroacetophenone, solid	UN1697	6.1	46 56 90 96 99 102	6.1	6.1	П	p	100 kg
	660. (726)	Chloroacetyl chloride	UN1752	8	46 56 88 99	8	8	II	p	p
	661. (606)	Chloroanilines, liquid	UN2019	6.1		6.1	6.1	II	5 L	60 L
	662. (607)	Chloroanilines, solid	UN2018	6.1		6.1	6.1	П	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	663. (608)	Chloroanisidines	UN2233	6.1		6.1	6.1	III	100 kg	200 kg
	664. (645)	Chlorobenzene	UN1134	3.3 9.2	89 109	3.3	3	III	60 L	220 L
	665. (2982)	Chlorobenzotrifluorides	UN2234	3.3		3.3	3	III	60 L	220 L
	666. (2243)	p-Chlorobenzoyl peroxide, <i>see</i> Di-4-chloro-benzoylperoxide								
	667. (785)	Chlorobenzylchlorides	UN2235	6.1		6.1	6.1	III	60 L	220 L
	668. (461)	1-Chloro-3-bromopropane	UN2688	6.1		6.1	6.1	III	60 L	220 L
	669. (646)	Chlorobutanes or Butyl chloride	UN1127	3.2	100	3.2	3	II	5 L	60 L
	670. (647)	Chlorocresols, liquid	UN2669	6.1		6.1	6.1	II	5 L	60 L
	671. (648)	Chlorocresols, solid	UN2669	6.1		6.1	6.1	II	25 kg	100 kg
	672. (727)	3-Chloro-4-diethylamino- benzenediazonium zinc chloride	UN3033	4.1	48	4.1	4.1	II	15 kg	50 kg
	673. (650)	Chlorodifluoro-bromomethane (R12B1)	UN1974	2.2		2.2	2	X	75 kg	150 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	Ittili	and Description	Mumber	tion	310113	tion	tion	Group	venicies	Ancian
(674. (649)	Chlorodifluoroethanes <i>or</i> Difluorochloroethanes <i>(R142b)</i>	UN2517	2.1	46 56 90 102	2.1 3	2	X	p	150 kg
	675. (651)	Chlorodifluoromethane (R22)	UN1018	2.2		2.2	2	X	75 kg	150 kg
	676. (652)	Chlorodifluoromethane and chloropenta-fluoroethane mixture (R502) with fixed boiling point, with approximately 49 percent chlorodifluoro-methane	UN1973	2.2	83	2.2	2	X	75 kg	150 kg
	677.	Chlorodinitrobenzene <i>or</i>	UN1577	6.1	102	6.1	-	II	-	-
	(653)	Dinitrochlorobenzene, liquid			118					
	678. (654)	Chlorodinitrobenzene <i>or</i> Dinitrochlorobenzene, solid	UN1577	6.1	102 118	6.1	6.1 I	I	25 kg	100 kg
	679. (655)	Chloroform (R20)	UN1888	6.1 9.2	109	6.1	6.1 I	I	5 L	60 L
	680. (668)	Chloroformates, n.o.s., flashpoint not less than 23°C	UN2742	6.1 8	56	6.1 8 3	6.1 8	II	1 L	30 L
	681. (660)	Chloromethyl-chloroformate	UN2745	6.1 8		6.1 8	6.1 8	II	1 L	30 L
	682. (1320)	Chloromethyl ethyl ether	UN2354	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	683.	3-Chloro-4-methylphenyl-		6.1		6.1	6.1	II	5 L	60 L
	(1699)	isocyanate	UN2236							
	684. <i>(669)</i>	Chloromethylpropanes, <i>see</i> Chlorobutanes								
	685. (670)	Chloronitroanilines	UN2237	6.1	118	6.1	6.1	III	100 kg	200 kg
	686. (671)	Chloronitrobenzenes or Nitrochlorobenzenes, meta or para, solid	UN1578	6.1		6.1	6.1	II	25 kg	100 kg
	687. (672)	Chloronitrobenzene <i>or</i> Nitrochlorobenzene, ortho, liquid	UN1578	6.1		6.1	6.1	II	5 L	60 L
	688. (673)	Chloronitrotoluenes, liquid	UN2433	6.1		6.1	6.1	III	60 L	220 L
	689. (674)	Chloronitrotoluenes, solid	UN2433	6.1		6.1	6.1	III	100 kg	200 kg
	690. (675)	Chloropenta- fluoroethane (R115)	UN1020	2.2		2.2	2	X	75 kg	150 kg
	691.	3-Chloroperoxybenzoic acid, not	UN2755	5.2	46	5.2	5.2	II	p	p
	(74)	more than 86 percent, with 3-chloro-benzoic acid		Е	48 56 83 99	E	Е			
	692. (676)	Chlorophenates, liquid	UN2904	8	89	8	8	II	5 L	60 L

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)		-	ID12005						25.1	1001
	693. <i>(677)</i>	Chlorophenates, solid	UN2905	8		8	8	III	25 kg	100 kg
	694.	Chlorophenols, liquid	UN2021	6.1	109	6.1	6.1	III	60 L	220 L
	(678)			9.2	118					
	695.	Chlorophenols, solid	UN2020	6.1	109	6.1	6.1	III	100 kg	200 kg
	(679)			9.2	118					
	696.	Chlorophenyl trichloro-silane	UN1753	8	46	8	8	II	p	30 L
	(680)				56 90					
					90 118					
	697.	Chloropicrin	UN1580	6.1	46	6.1	6.1	I	p	p
	077.	Cinoropierin	0111300	0.1	56	0.1	0.1	1	Р	Р
					99					
					102					
	698.	Chloropicrin and methyl	UN1581	2.3	46	2.3	2	X	p	p
		bromide mixtures			88	6.1			-	-
					99					
					102					
	699.	Chloropicrin and methyl	UN1582	2.3	46	2.3	2	X	p	p
		chloride mixtures			56	6.1				
					88					
					99					
					102					

700. Chloropicrin *and* nonflammable, non-liquefied, compressed gas mixtures, see Compressed or Liquefied gases, toxic, n.o.s.*

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
,	701.	CHLOROPICRIN MIXTURES, N.O.S.*	UN1583	6.1	46 56 88 102	6.1	6.1	I	p	p
	702.	CHLOROPICRIN MIXTURES, N.O.S.*	UN1583	6.1	56 88 102	6.1	6.1	II	p	p
	703.	CHLOROPICRIN MIXTURES, N.O.S.*	UN1583	6.1	88	6.1	6.1	III	p	p
	704. (75)	Chloroplatinic acid, solid	UN2507	8	46	8	8	III	25 kg	100 kg
	705. (688)	Chloroprene, inhibited	UN1991	3.2 6.1	46 84	3.2 6.1	3 6.1	I	p	30 L
	706. (638)	2-Chloropropane	UN2356	3.1	46 99	3.1	3	I	1 L	30 L
	707. (639)	3-Chloropropanol-1	UN2849	6.1		6.1	6.1	III	60 L	220 L
	708. (640)	2-Chloropropene	UN2456	3.1	46 56 99	3.1	3	I	1 L	30 L
	709. (76)	alpha-Chloropropionic acid	UN2511	8		8	8	III	5 L	60 L
	710. (644)	2-Chloropyridine	UN2822	6.1		6.1	6.1	II	5 L	60 L
	711. (689)	Chlorosilanes, n.o.s.*	UN2987	8	46	8	8	II	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	712. (690)	Chlorosilanes, n.o.s.*, flashpoint not less than -18°C but lessthan 23°C	UN2985	3.2 8	46	3.2 8	3 8	I	0.5 L	2.5 L
	713. <i>(691)</i>	Chlorosilanes, n.o.s.* flashpoint not less than 23°C	UN2986	8 3	46	8 3	8 3	II	1 L	30 L
	714. (692)	Chlorosilanes, n.o.s.*, which in contact with <i>water emit</i> flammable gases	UN2988	4.3 3 8	46 48 56 99	4.3 3 3 8 8	4.3	I	p	1 L
	715. <i>(77)</i>	Chlorosulphonic acid (with or without sulphur trioxide)	UN1754	8 9.2	46 109	8	8	I	0.5 L	2.5 L
	716. <i>(693)</i>	Chlorotetrafluoroethane (R124)	UN1021	2.2		2.2	2	X	75 kg	150 kg
	717. (695)	Chlorotoluenes, liquid	UN2238	3.3	118	3.3	3	III	60 L	220 L
	718. <i>(629)</i>	4-Chloro-o-toluidine hydrochloride	UN1579	6.1	56 89	6.1	6.1	II	-	-
	719. (696)	Chlorotoluidines, liquid	UN2239	6.1		6.1	6.1	III	60 L	220 L
	720. (697)	Chlorotoluidines, solid	UN2239	6.1		6.1	6.1	Ш	100 kg	200 kg
	721. (698)	Chlorotrifluoroethane (R133a)	UN1983	2.2		2.2	2	X	75 kg	150 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(00	722. (699)	Chlorotrifluoromethane (R13)	UN1022	2.2		2.2	2	X	75 kg	150 kg
	723. (700)	Chlorotrifluoromethane and trifluoromethane azeotropic mixture (R503) with approximately 60 per-cent chlorotrifluoromethane	UN2599	2.2	83	2.2	2	X	75 kg	150 kg
	724.	Chlorpyrifos, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	725. (10)	Chromic acetate (RL-50)	NA9101	9.2	49	-	-	II	-	-
	726. (79)	Chromic acid, solid, <i>see</i> Chromium trioxide, anhydrous, etc.								
	727. (78)	Chromic acid, solution	UN1755	8 9.2	109	8	8	II	1 L	30 L
	728. (1426)	Chromic fluoride, solid	UN1756	8		8	8	II	15 kg	50 kg
	729. (1425)	Chromic fluoride, solution	UN1757	8		8	8	II	1 L	30 L
	730. (2797)	Chromic sulphate (RL-50)	NA9100	9.2	49	-	-	III	-	-
	731. (2003)	Chromium nitrate	UN2720	5.1		5.1	5.1	III	25 kg	100 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	732. (728)	Chromium oxychloride	UN1758	8	46 56	8	8	I	0.5 L	2.5 L
	733. (3026)	Chromium trioxide, anhydrous or Chromic acid, solid	UN1463	5.1 8 9.2	118 109	5.1 8	5.1 8	II	5 kg	25 kg
	734. (142)	Chromosulphuric acid	UN2240	8	46	8	8	I	0.5 L	2.5 L
	735. (702)	Chromous chloride (RL-50)	NA9102	9.2	49	-	-	III	-	-
	738. (1479)	Coal gas	UN1023	2.1 6.1	46 48 56 90 99 102	2.3 2.1 6.1	2 3	X	p	25 kg
	739. (1504)	COAL TAR DISTILLATES, FLAMMABLE, flashpoint not less than -18°C but less than 23°C	UN1136	3.2	46	-	3	I	1 L	30 L
	740. (1505)	COAL TAR DISTILLATES, FLAMMABLE, flashpoint not less than -18°C but less than 23°C	UN1136	3.2		3.2	3	II	5 L	60 L
	741. (1506)	COAL TAR DISTILLATES, FLAMMABLE, flashpoint not less than -18°C but less than 23°C	UN1136	3.2		-	3	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product	COL	COL	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	742. (1507)	COAL TAR DISTILLATES, FLAMMABLE, flashpoint not less than 23°C	UN1136	3.3	46	-	3	I	1 L	30 L
	743. (1508)	COAL TAR DISTILLATES, FLAMMABLE, flashpoint not less than 23°C	UN1136	3.3		3.3	3	III	60 L	220 L
	744. (2775)	COATING SOLUTION, flashpoint not less than -18°C but less than 23°C	UN1139	3.2		3.2	3	II	5 L	60 L
	745. (2776)	COATING SOLUTION, flashpoint not less than -18°C but less than 23°C	UN1139	3.2		-	3	III	60 L	220 L
	746. (2777)	COATING SOLUTION, flashpoint not less than -18°C but less than 23°C	UN1139	3.3	89	3.3	3	III	60 L	220 L
	747. (1968)	Cobalt naphthenates, powder	UN2001	4.1		4.1	4.1	III	25 kg	100 kg
	748. (478)	Cobaltous bromide (RL-50)	NA9103	9.2	49	-	-	III	-	-
	749. (1449)	Cobaltous formate (RL-50)	NA9104	9.2	49	-	-	III	-	-
	750. (2795)	Cobaltous sulphamate (RL-50)	NA9105	9.2	49	-	-	III	-	-

	= .	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
chemicals		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	751	Calculation in the control of the district of	LINI1210	1 1	1.0	<i>l</i> 1	<i>l</i> 1	TTT	25.1	1001
	751. (2703)	Cobalt resinate, precipitated	UN1318	4.1	46 48	4.1	4.1	III	25 kg	100 kg
	(2703)				4 6 56					
	752.	Cocculus or Cocculus, solid	UN1584	6.1	118	6.1	6.1	II	25 kg	100 kg
	(796)	,							C	C
	754.	Compound, cleaning; enamel;								
		lacquer, etc.; polishing; rust-								
		preventing; tree or weed killing;								
		or vulcanizing, see								
		CORROSIVE LIQUIDS,								
		N.O.S.* or FLAMMABLE								
		LIQUIDS, N.O.S.* or								
		FLAMMABLE LIQUID								
		PREPARATIONS, N.O.S.* or								
		Hydrochloric acid solution, etc.								
		or Oxidizing substances, n.o.s.*,								
		or PAINT, etc. or POISONOUS								
	755.	LIQUIDS, N.O.S.*								
	133.	Compressed <i>or</i> Liquefied gases, corrosive, flammable, n.o.s. <i>see</i>								
		Compressed <i>or</i> Liquefied gases,								
		toxic, flammable, n.o.s.*								
	756.	Compressed or Liquefied gases,								
	750.	corrosive, n.o.s., see Compressed								
		or Liquefied gases, toxic, n.o.s.*								
	757.	Compressed <i>or</i> Liquefied gases,								
		flammable corrosive, n.o.s., see								
		Compressed or Liquefied gases,								
		flammable, toxic, n.o.s.*								

		0.07	~~-	~~-	~~		~	~~-	~~~	
		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II	Ш	IV	V IMO	VI ICAO	VII	VIII	IX
Discarded			Product identi-	Class-	Special	Class-	Class-	Pack-	Passenger Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	758.	Compressed or Liquefied gases,	UN1954	2.1	48	2.1	2	X	p	150 kg
,	(1471)	flammable, n.o.s.*	01(1)0.	_,,	56	3	_		P	10 0 118
	(11,1)	110111111111111111111111111111111111111			90	C				
					100					
					102					
	759.	Compressed or Liquefied gases,	UN1953	2.1	46	2.1	2	X	p	p
	(1472)	flammable, toxic, n.o.s.*		6.1	48	2.3	3		-	-
					56	6.1				
					88					
					100					
					102					
	760.	Compressed or Liquefied gases,	UN1956	2.2	48	2.2	2	X	75 kg	150 kg
	(1474)	n.o.s.			114					
	761.	Compressed or Liquefied gases,	UN1955	2.3	46	2.3	2	X	p	p
	(1475)	toxic, n.o.s.*			48	6.1				
					56					
					88					
					100					
	7.0	C 1 1 C 1 C	LINIAGE	2.2	102			V		
	762.	Compressed or Liquefied Gases,	UN1955	2.3	46	-	-	X	-	_
	(1476)	toxic, flammable, n.o.s.*		2.1	48					
					56 88					
					96					
					100					
					100					
	763.	Copper acetoarsenite	UN1585	6.1	102	6.1	6.1	II	25 kg	100 kg
	(38)	copper acciourseinte	0111303	9.2	118	0.1	0.1	11	23 Kg	100 Kg
	766.	Copper arsenite	UN1586	6.1	118	6.1	6.1	II	25 kg	100 kg
	(354)	copper mounte	21,1200	0.1	110	0.1	0.1		-c6	100 115
	(331)									

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(767.	COPPER BASED PESTICIDES, LIQUID, FLAMMABLE, TOXIC N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2776	3.2 6.1 9.2	46 56 109	3.2 6.1	36.1	I	P	30 L
	768.	COPPER BASED PESTICIDES,LIQUID, FLAMMABLE, TOXIC N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2776	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	II	1 L	60 L
	769.	COPPER BASED PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3009	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	IL	30 L
	770.	COPPER BASED PESTICIDES, LIQUID, TOXIC, FLAMMABLES N.O.S.*, flashpoint not less than 23°C	UN3009	6.1 3 9.2	56 89 109	6.1	6.1	II	5 L	60 L
	771.	COPPER BASED PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3010	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L
	772.	COPPER BASED PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3010	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L

		COL	COL	COL	COL	\mathbf{COL}	COL	COL	\mathbf{COL}_{\dagger}	COL†
Table 4a		I	II	Ш	IV	V	VI	VII	VIII	IX
Discarded			Product	C)	.	IMO	ICAO	ъ .	Passenger	
commercial		Cl. · NI	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	C
chemicals	T4.0	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger Validas	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuca)	773.	COPPER BASED	UN3010	6.1	109	6.1	6.1	III	60 L	220 L
	113.	PESTICIDES, LIQUID, TOXIC,	0113010	9.2	109	0.1	0.1	111	00 L	220 L
		N.O.S.*		7.2						
	774.	COPPER BASED	UN2775	6.1	46	6.1	6.1	I	5 kg	50 kg
		PESTICIDES, SOLID, TOXIC,		9.2	93				C	C
		N.O.S.*			109					
	775.	COPPER BASED	UN2775	6.1	109	6.1	6.1	II	25 kg	100 kg
		PESTICIDES, SOLID, TOXIC,		9.2						
	_	N.O.S.*								
	776.	COPPER BASED	UN2775	6.1	109	6.1	6.1	III	100 kg	200 kg
		PESTICIDES, SOLID, TOXIC,		9.2						
		N.O.S.*								
	777.	Copper chlorate	UN2721	5.1		5.1	5.1	II	5 kg	25 kg
	(613)	0 11 11	I IN 12002	0	100	NID	0	TT	05.1	1001
	778.	Copper chloride	UN2802	8 9.2	109	NR	8	II	25 kg	100 kg
	(729) 782.	CORROSIVE LIQUIDS,	UN2920	8	46	8	8	I	0.5 L	2.5 L
	(1748)	FLAMMABLE, N.O.S.*	UN2920	3	40 109	3	3	1	0.3 L	2.3 L
	(1740)	TE/MINIMABLE, IV.O.S.		9.2	107	3	3			
	783.	CORROSIVE LIQUIDS,	UN2920	8	109	8	8	II	1 L	30 L
	(1749)	FLAMMABLE, N.O.S.*		3		3	3			
	(/	,		9.2						
	784.	CORROSIVE LIQUIDS,	UN1760	8	46	8	8	I	0.5 L	2.5 L
	(1745)	N.O.S.*		9.2	109					
	785.	CORROSIVE LIQUIDS,	UN1760	8	109	8	8	II	1 L	30 L
	(1746)	N.O.S.*		9.2						

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	786. (1747)	CORROSIVE LIQUIDS, N.O.S.*	UN1760	8 9.2	109	8	8	III	5 L	60 L
	787. (1750)	CORROSIVE LIQUIDS, POISONOUS, N.O.S.*	UN2922	8 6.1 9.2	46 109	8 6.1	8 6.1	I	0.5 L	2.5 L
	788. (1751)	CORROSIVE LIQUIDS, POISONOUS, N.O.S.*	UN2922	8 6.1 9.2	109	8 6.1	8 6.1	II	1 L	30 L
	789. (1752)	CORROSIVE LIQUIDS, POISONOUS, N.O.S.*	UN2922	8 9.2	109	- 6.1	8	III	5 L	60 L
	790. (2759)	CORROSIVE SOLIDS, FLAMMABLE, N.O.S.*	UN2921	8 4.1 9.2	46 109	8 4.1	8 4.1	I	1 kg	25 kg
	791. (2760)	CORROSIVE SOLIDS, FLAMMABLE, N.O.S.*	UN2921	8 4.1 9.2	109	8 4.1	8 4.1	II	15 kg	50 kg
	792. (2756)	CORROSIVE SOLIDS, N.O.S.*	UN1759	8 9.2	46 109	8	8	I	1 kg	25 kg
	793. (2757)	CORROSIVE SOLIDS, N.O.S.*	UN1759	8 9.2	109	8	8	II	15 kg	50 kg
	794. (2758)	CORROSIVE SOLIDS, N.O.S.*	UN1759	8 9.2	109	8	8	III	25 kg	100 kg
	795. (2761)	CORROSIVE SOLIDS, POISONOUS, N.O.S.*	UN2923	8 6.1 9.2	46 109	8 6.1	8 6.1	I	1 kg	25 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	796. (2762)	CORROSIVE SOLIDS, POISONOUS, N.O.S.*	UN2923	8 6.1 9.2	109	8 6.1	8 6.1	II	5 kg	50 kg
	797. (2763)	CORROSIVE SOLIDS, POISONOUS, N.O.S.*	UN2923	8 9.2	109 6.1	-	8	III	25 kg	100 kg
	798.	Cosmetics, n.o.s. containing flammable aerosol and/or non-flammable aerosol and/or flammable liquid, in small inner packagings								
	799.	Cosmetics, n.o.s., see CORROSIVE LIQUIDS, N.O.S.* or CORROSIVE SOLIDS, N.O.S.* or FLAMMABLE LIQUIDS, N.O.S.* or FLAMMABLE SOLIDS, N.O.S* or Oxidizing substances, n.o.s.*, AEROSOLS, etc.								
	802.	Coumaphos, <i>see</i> COUMARIN DERIVATIVE PESTICIDES, etc.								
	803.	Coumaphos mixture, <i>see</i> COUMARIN DERIVATIVE PESTICIDES, etc.								
	804.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN3024	3.2 6.1 9.2	46 109	3.2 6.1	3 6.1	I	P	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	805.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN3024	3.2 6.1 9.2	109	3.2 6.1	3 6.1	II	1 L	60 L
	806.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, TOXIC, FLAMMABLE,N.O.S.*, flashpoint not less than 23°C	UN3025	6.1 3 9.2	46 89 94 109	6.1	6.1	I	1 L	30 L
	807.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.* flashpoint not less than 23°C	UN3025	6.1 3 9.2	89 109	6.1	6.1	II	5 L	60 L
	808.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3026	6.1 9.2	46 94 109	6.1	6.1	I	1 L	30 L
	809.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3026	6.1 9.2	109	6.1	6.1	II	5 L	60 L
	I 810.	COUMARIN DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3026	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	811.	COUMARIN DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN3027	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg

Table 4a Discarded commercial		COL	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL†
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	812.	COUMARIN DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN3027	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	813.	COUMARIN DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN3027	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	814. (827)	Creosote, coal tar, see POISONOUS LIQUIDS, N.O.S.*								
	815. (828)	Cresols (o-, m-, p-)	UN2076	6.1 9.2	109 118	6.1	6.1	II	5 L	60 L
	816. (80)	Cresylic acid	UN2022	6.1		6.1	6.1	II	5 L	60 L
	817. (231)	Crotonaldehyde, stabilized	UN1143	3.2 9.2	46 75 84 102 109 110	3.2	3	П	5 L	60 L
	818. (82)	Crotonic acid, liquid	UN2823	8		-	8	III	5 L	60 L
	819. (83)	Crotonic acid, solid	UN2823	8		8	8	III	25 kg	100 kg
	820. (830)	Crotonylene	UN1144	3.1	46 99	3.1	3	I	1 L	30 L
	821. (831)	Cumene, see Isopropylbenzene								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(communication)	822. (1614)	Cumyl hydroperoxide, <i>or</i> Cumene hydroperoxide, <i>technically pure</i>	UN2116	5.2 I	46 63 83 99	5.2 I	5.2	I	1 L	5 L
	823. (2346)	Cumyl pero-xyneodecanoate, not more than 77 per-cent in solution	UN2963	5.2	46 48 56 83 99 -10°C 0°C	5.2	5.2	П	p	p
	824. (2351)	Cumyl peroxypivalate, not more than 77 per-cent in solution	UN2964	5.2	46 48 56 83 99 -5°C +5°C	5.2	5.2	П	p	p
	825. (11)	Cupric acetate (RL-5)	NA9106	9.2	49	-	-	II	-	-
	826. (1991)	Cupric nitrate, <i>see</i> Oxidizing substances, n.o.s.*								
	827. (2116)	Cupric oxalate, <i>see</i> Oxalates, water soluble								
	828. (2798)	Cupric sulphate (RL-5)	NA9109	9.2	49	-	-	II	-	-
	829. (2799)	Cupric sulphate, ammoniated (<i>RL-5</i>)	NA9110	9.2	49	-	-	П	-	-

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	830. (2844)	Cupric tartrate (RL-5)	NA9111	9.2	49	-	-	II	-	-
	831. (832)	Cupriethylenediamine solution	UN1761	8 6.1	118	8 6.1	8 6.1	II	1 L	30 L
	844. (661)	Cyclobutylchloroformate	UN2744	6.1 8		6.1 8 3	6.1 8	II	1 L	30 L
	845. (864)	1, 5, 9-Cyclodo-decatriene	UN2518	6.1		6.1	6.1	III	60 L	220 L
	846. (865)	Cycloheptane	UN2241	3.2		3.2	3	II	5 L	60 L
	847. (866)	Cycloheptatriene	UN2603	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	848. (867)	Cycloheptene	UN2242	3.2		3.2	3	II	5 L	60 L
	849. (868)	Cyclohexane	UN1145	3.1 9.2	99 109	3.1	3	II	5 L	60 L
	850. (869)	Cyclohexanone	UN1915	3.3		3.3	3	III	60 L	220 L
	851. (2301)	Cyclohexanone peroxide(s), more than 90 percent, with water	UN2117	5.2 E I	46 48 56 83 99	5.2 E I	5.2 E	I	p	p

Table 4a Discarded	_	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	852. (2299)	Cyclohexanone peroxide(s), not more than 72 percent in solution, with not more than 9 percent available oxygen	UN2118	5.2 I	46 48 56 63 83 99	5.2 I	5.2	I	1 L	5 L
	853. (2298)	Cyclohexanone peroxide(s), not more than 72 percent as a paste, with not more than 9 percent available oxygen	UN2896	5.2 I	46 48 56 83 99	5.2 I	5.2	II	1 kg	5 kg
	854. (2300)	Cyclohexanone peroxide(s), not more than 90 percent, with water	UN2119	5.2 I	46 48 56 83 99	5.2 I	5.2	I	1 kg	5 kg
	855. (870)	CYCLOHEXENE	UN2256	3.1	99	3.1	3	II	5 L	60 L
	856. (871)	CYCLOHEXENE	UN2256	3.2		3.2	3	II	5 L	60 L
	857. (872)	Cyclohexenyltrichloro-silane	UN1762	8	46 56 90	8	8	II	р	30 L
	858. (15)	Cyclohexyl acetate	UN2243	3.3		3.3	3	III	60 L	220 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded			Product	~	~	IMO	ICAO		Passenger	
commercial		Chinning Name	identi- fication	Class- ifica-	Special Provi-	Class- ifica-	Class- ifica-	Pack-	Aircraft &	Cango
chemicals	Item	Shipping Name and Description	Number	tion	sions	tion	tion	ing Group	Passenger Vehicles	Cargo Aircraft
(continued)	Ittili	and Description	Tumber	tion	510115	tion	tion	Group	venicles	Ancian
,	859.	Cyclohexylamine	UN2357	8		3.2	8	II	1 L	30 L
	(873)	•		3		8	3			
						or				
						3.3				
						8				
	860.	Cyclohexyl isocyanate	UN2488	6.1	99	6.1	6.1	II	5 L	60 L
	(1700)					3				
	861.	Cyclohexyl mercaptan	UN3054	3.3		3.3	3	III	60 L	220 L
	(1835)									
	862.	Cyclohexyltrichloro-silane	UN1763	8	46	8	8	II	p	30 L
	(874)				56					
	0.62				90					
	863.	Cyclooctadiene phosphines, see								
	(2572)	9-Phosphabicyclononanes	LINIOSOO	3.3	89	3.3	3	III	60 L	220 L
	864. (875)	Cyclooctadienes	UN2520	3.3	89	3.3	3	111	60 L	220 L
	865.	Cyclooctatetraene	UN2358	3.2		3.2	3	II	5 L	60 L
	(876)	Cyclooctatetrache	0112330	3.2		3.2	3	11	JL	00 L
	866.	Cyclopentane	UN1146	3.1	99	3.1	3	II	5 L	60 L
	(877)	Cyclopenane	CIVIIIO	5.1		5.1	J	11	3 2	00 L
	867.	Cyclopentanol	UN2244	3.3		3.3	3	III	60 L	220 L
	(878)	v 1								
	868.	Cyclopentanone	UN2245	3.3	89	3.3	3	III	60 L	220 L
	(879)									
	869.	Cyclopentene	UN2246	3.1	99	3.1	3	II	5 L	60 L
	(880)									

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	870. (881)	Cyclopropane, liquefied <i>or</i> Cyclopropane	UN1027	2.1	46 48 56 90 102	2.1	2	X	p	150 kg
	873.	2, 4-d, see PHENOXY PESTICIDES, etc.								
	874.	DDT or Dichlorodiphenyltrichloroethane , see ORGANOCHLORINE PESTICIDES, etc.								
	875.	Decaborane	UN1868	4.1	46	4.1	4.1	II	p	50 kg
	(886)			6.1	48	6.1	6.1		1	C
	` /				90					
	876. (887)	Decahydronaphthalene	UN1147	3.3	89	3.3	3	III	60 L	220 L
	877. (888)	n-Decane	UN2247	3.3		3.3	3	III	60 L	220 L
	878.	Decanoyl peroxide, see								
	(2244)	Didecanoyl peroxide, etc.								
	879.	2, 4-Dester, see PHENOXY								
		PESTICIDES, etc.								
	880.	Denatured alcohol, see								
	(224)	ALCOHOLS, TOXIC, N.O.S.*								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(**************************************	881. (997)	Deuterium	UN1957	2.1	48 56 90 99 102 110	2.1	2	X	p	150 kg
	882. (998)	DIACETONE ALCOHOL	UN1148	3.2		3.2	3	II	5 L	60 L
	883. (999)	DIACETONE ALCOHOL	UN1148	3.2		-	3	III	60 L	220 L
	884. (1000)	DIACETONE ALCOHOL	UN1148	3.3	89	3.3	3	III	60 L	220 L
	885. (2302)	Diacetone alcohol peroxides, not more than 57 percent in solution, with not more than 9 per-cent hydrogen peroxide; not less than 26 percent diacetone alcohol, and not less than 9 percent water; total active oxygen content not more than 9 percent	UN2163	5.2	38 46 48 56 83 99 +30°C +35°C	5.2	5.2	I	p	p
	886. (1001)	Diacetyl, see Butanedione, etc.								
	887. (2245)	Diacetyl peroxide, or Acetyl peroxide, not more than 27 percent in solution, (with dimethyl phthalate or other approved phlegmatiser)	UN2084	5.2 I	46 48 56 83 99 +20°C +25°C	5.2 I	5.2	II	p	p

	•	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial		Cl. · N	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	C
chemicals	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(continued)	Item	and Description	Number	tion	SIUIIS	tion	tion	Group	venicles	Aircrait
	888. (1002)	Diallylamine	UN2359	3.2		3.2	3	II	5 L	60 L
	889.	Diallylether	UN2360	3.2	99	3.2	3	II	1 L	60 L
	(1322)			6.1		6.1	6.1			
	890. (1004)	4, 4'-Diaminodiphenyl methane	UN2651	6.1		6.1	6.1	III	100 kg	200 kg
	891. (1005)	Di-(aminopropyl)-piperazine, see CORROSIVE LIQUIDS,								
		N.O.S.*								
	892. (1006)	Di-n-amylamine	UN2841	6.1		6.1 3	6.1	III	60 L	220 L
	895.	Diazinon, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	900.	2-Diazo-1-naphthol-4-sulpho-	UN3042	4.1	46	4.1	4.1	II	p	p
	(731)	chloride		E	48 99	E	E		•	•
	901.	2-Diazo-1-naphthol-5-sulpho-	UN3043	4.1	46	4.1	4.1	II	p	p
	(732)	chloride		E	48 99	Е	E		•	•
	905.	Dibenzoyl peroxide or Benzoyl	UN2088	5.2	46	5.2	5.2	I	p	p
	(2251)	peroxide, more than 77 percent		E	48	E	E		_	_
		but less than 95 percent, with			56					
		water			83					
					99					
	906.	Dibenzoyl peroxide or Benzoyl	UN2089	5.2	48	5.2	5.2	II	10 kg	25 kg
	(2248)	peroxide, not less than 30			56					
		percent but not more than 52 per-cent, with inert solid			83 99					

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(**************************************	907. (2249)	Dibenzoyl peroxide or Benzoyl peroxide, not more than 55 percent as a paste	UN2087	5.2	48 50 56 83 99	5.2	5.2	II	10 kg	25 kg
	908. (2247)	Dibenzoyl peroxide or Benzoyl peroxide, not more than 72 percent as a paste	UN2087	5.2	46 48 50 56 83 99	5.2	5.2	П	10 kg	25 kg
	909. (2250)	Dibenzoyl peroxide or Benzoyl peroxide, not more than 77 percent, with water	UN2090	5.2	46 48 56 99	5.2	5.2	II	5 kg	10 kg
	910. (2246)	Dibenzoyl peroxide or Benzoyl peroxide, more than 52 percent, with inert solid or Dibenzoyl peroxide, or Benzoyl peroxide, technically pure	UN2085	5.2 E	42 46 48 56 83 99	5.2 E	5.2 E	I	p	p
	911. (1019)	Dibenzyldichlorosilane	UN2434	8		8	8	II	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	912. (2321)	Dibenzyl peroxy-dicarbonate, not more than 87 percent, with water	UN2149	5.2 E	46 48 56 83 99 +25°C +30°C	5.2 E	5.2 E	I	p	p
	913. (1020)	Diborane or Diborane mixtures	UN1911 6.1	2.1	46 48 52 56 79 88 99 102	2.1 2.3	2 3 6.1	X	p	p
	915. (1022)	Dibromobenzene	UN2711	3.3		3.3	3	III	60 L	220 L
	916. (1023)	1, 2-Dibromobutan-3-one	UN2648	6.1		6.1	6.1	II	5 L	60 L
	917. (1024)	Dibromochloropropane	UN2872	6.1		6.1	6.1	III	60 L	220 L
	918. (1025)	Dibromodi-fluoromethane	UN1941	9.1	44	9	9	III	100 L	220 L
	919. (1026)	Dibromomethane	UN2664	6.1		6.1	6.1	III	60 L	220 L
	920. (1029)	Di-(n-butyl)amine	UN2248	8 3		8 3	8 3	П	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	921. (1030)	Dibutylaminoethanol	UN2873	6.1		6.1	6.1	III	60 L	220 L
	922. (2322)	Di-(4-tert-butylcyclohexyl) peroxydicarbonate, not more than 42 percent, stable dispersion, in water	UN2894	5.2	46 48 56 83 99 +30°C +35°C	5.2	5.2	П	p	p
	923. (2323)	Di-(4-tert-butylcyclohexyl) peroxydicarbonate, technically pure	UN2154	5.2	46 48 56 83 99 +30°C +35°C	5.2	5.2	П	p	p
	924. (1349)	Dibutyl ethers or Butyl ethers	UN1149	3.3		3.3	3	III	60 L	220 L
	925. (1031)	Dibutylnitrosamine <i>see</i> POISONOUS SOLIDS, N.O.S.*								
	926. (2252)	Di-tert-butyl peroxide, <i>or</i> tert- Butyl peroxide, <i>technically pure</i>	UN2102	5.2	48 56 63 83 99	5.2	5.2	II	1 L	5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	927. (1032)	2, 2-Di-(tert-butyl-peroxy) butane, not more than 55 percent in solution	UN2111	5.2	48 56 63 83 99	5.2	5.2	П	5 L	10 L
	928. (1033)	1, 1-Di-(tert-butyl peroxy) cyclohexane, not more than 27 percent in solution with not less than 36 percent diluent type A and not less than 36 percent diluent type B	UN3069	5.2 63	46 48 83 100 104	-	5.2	П	5 L	10 L
	929. (1034)	1, 1-Di-(tert-butylperoxy) cyclohexane, not more than 40 per-cent with inert inorganic solid, with not less than 13 percent phlegmatiser	UN2885	5.2	48 56 83 99	5.2	5.2	П	5 kg	10 kg
	930. (1035)	1, 1-Di-(tert-butyl-peroxy) cyclohexane, not more than 50 percent, with phlegmatiser	UN2897	5.2	48 56 63 83 99 113	5.2	5.2	II	5 L	10 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuea)	931. (1036)	1, 1-Di-(tert-butyl-peroxy) cyclohexane, not more than 77 percent in solution	UN2180	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	932. (1037)	1, 1-Di-(tert-butyl-peroxy) cyclohexane, <i>technically pure</i>	UN2179	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	933. (2324)	Di-n-butyl peroxy-dicarbonate or n-Butyl peroxydicarbonate, not more than 27 percent in solution	UN2170	5.2	46 48 56 99 0°C +10°C	5.2	5.2	П	p	p
	934. (2325)	Di-n-butyl peroxy-dicarbonate or n-Butyl peroxydicarbonate, not more than 52 percent in solution	UN2169	5.2	46 48 56 83 99 -15°C -5°C	5.2	5.2	II	p	p
	935. (2326)	Di-(sec-butyl) peroxydicarbonate, not more than 52 percent in solution	UN2151	5.2	46 48 56 83 99 -15°C -5°C	5.2	5.2	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	936. (2327)	Di-(sec-butyl) peroxydicarbonate, technically pure	UN2150	5.2 E	46 48 56 83 99 -20°C -10°C	5.2 E	5.2 E	I	p	p
	937. (1043)	1, 3-Di-(2-tert-butyl-peroxyisopropyl) benzene, <i>more than 40 percent, with inert solid or 1, 3-Di-(2-tert-butylperoxy-isopropyl) benzene, technically pure</i>	UN2112	5.2	48 56 83 99	5.2	5.2	II	10 kg	25 kg
	938. (1044)	1, 4-Di-(2-tert-butyl-peroxyisopropyl) benzene, more than 40 percent, with inert solid or 1, 4-Di-(2-tert-butylperoxyisopropyl) benzene, technically pure	UN2112	5.2	48 56 83 99	5.2	5.2	II	10 kg	25 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commucu)	939. (1045)	1, 4-Di-(2-tert-butyl-peroxyisopropyl) benzene <i>and</i> 1, 3-Di-(2-tert-butyl-peroxyisopropyl) benzene mixtures, <i>more than 40 percent, with inert solid or</i> 1, 4-Di-(2-tert-butyl-peroxyisopropyl) benzene and 1, 3-Di-(2-tert-butyl-peroxyisopropyl) benzene mixtures, <i>technically pure</i>	UN2112	5.2 99	48 56 83	5.2	5.2	II	10 kg	25 kg
	940. (1229)	Di-(tert-butylperoxy) phthalate, not more than 55 percent as a paste	UN2108	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	941. (1228)	Di-(tert-butylperoxy) phthalate, not more than 55 percent in solution	UN2107	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	942. (1230)	Di-(tert-butylperoxy) phthalate, technically pure	UN2106	5.2 E	46 48 56 83 99	5.2 E	5.2 E	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	943. (1039)	2, 2-Di-(tert-butyl-peroxy) propane, not more than 40 percent, with inert inorganic solid, with not less than 13 percent phlegmatiser	UN2884	5.2	48 83 99	5.2	5.2	II	5 kg	10 kg
	944. (1040)	2, 2-Di-(tert-butylperoxy) propane, not more than 50 percent, with phlegmatiser	UN2883	5.2	48 63 83 99	5.2	5.2	II	5 L	10 L
	945. (1041)	1, 1-Di-(tert-butyl-peroxy)-3, 3, 5-trimethyl cyclohexane, <i>not more than 57 percent in solution</i>	UN2146	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	946. (1042)	1, 1-Di-(tert-butyl-peroxy)-3, 3, 5-trimethyl cyclohexane, <i>not more than 58 percent, with inert solid</i>	UN2147	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	947. (1046)	1, 1-Di-(tert-butyl-peroxy)-3, 3, 5-trimethyl cyclohexane, <i>technically pure</i>	UN2145	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L

948. Dicamba, see BENZOIC DERIVATIVE PESTICIDES, etc.

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	949. (2313)	Dicetyl peroxy-dicarbonate, not more than 42 percent, stable dispersion, in water	UN2895	5.2	46 48 83 99 +30°C +35°C	5.2	5.2	II	p	p
	950. (2314)	Dicetyl peroxy-dicarbonate, technically pure	UN2164	5.2	46 48 56 83 99 +20°C +25°C	5.2	5.2	П	p	p
	951.	Dichlobenil, see BENZOIC DERIVATIVE PESTICIDES, etc.								
	952.	Dichlone, <i>see</i> ORGANO-CHLORINE PESTICIDES, etc.								
	954. (84)	Dichloroacetic acid	UN1764	8		8	8	II	1 L	30 L
	955. 1054)	1, 3-Dichloroacetone	UN2649	6.1		6.1	6.1	II	25 kg	100 kg
	956. (733)	Dichloroacetyl chloride	UN1765	8	46 99	8	8	П	1 L	30 L
	958. (1053)	Dichloroanilines	UN1590	6.1	118	6.1	6.1	II	5 L	60 L
	959. (1056)	o-Dichlorobenzene <i>or</i> Dichlorobenzene, ortho, liquid	UN1591	6.1 9.2	109	6.1	6.1	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	960. (1057)	p-Dichlorobenzene <i>or</i> Dichlorobenzene, para, solid	UN1592	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	961. (2253)	Di-4-chlorobenzoyl peroxide <i>or</i> p-Chlorobenzoyl peroxide, <i>not</i> more than 52 percent as paste	UN2114	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	962. (2254)	Di-4-chlorobenzoyl peroxide <i>or</i> p-Chlorobenzoyl peroxide, <i>not</i> more than 52 percent in solution	UN2115	5.2	48 56 63 83 99	5.2	5.2	II	5 L	10 L
	963. (2255)	Di-4-chlorobenzoyl peroxide <i>or</i> p-Chlorobenzoyl peroxide, <i>not</i> more than 75 percent, with water	UN2113	5.2	46 48 56 83 99	5.2	5.2	II	5 kg	10 kg
	964. (-)	2, 4-Dichlorobenzoyl peroxide, <i>see</i> Di-2, 4-dichlorobenzoylperoxide, etc.								
	965. (1059)	Dichlorobutene, flammable <i>or</i> 1, 3-Dichlorobutene-2, <i>see</i> FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.*								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	966. (1058)	Dichlorobutene, corrosive <i>or</i> 1, 4-Dichlorobutene-2, <i>see</i> CORROSIVE LIQUIDS, FLAMMABLE, N.O.S.*								
	967. (1060)	Dichlorodi-fluoroethylene (R1112a)	NA9018	9.1	49	-	-	III	-	-
	968. (1061)	Dichlorodi-fluoromethane (R12)	UN1028	2.2		2.2	2	X	75 kg	150 kg
	969. (1064)	Dichlorodifluoro-methane and difluoro-ethane azeotropic mixture, (R500) with approximately 74 percent dichlorodifluoromethane	UN2602	2.2	83	2.2	2	X	75 kg	150 kg
	970. (1063)	Dichlorodifluoromethane <i>and</i> dichlorotetrafluoro-ethane mixture, <i>see</i> Refrigerant gases, n.o.s.*, etc.								
	971. (1062)	Dichlorodifluoromethane <i>and</i> chlorodifluoro-methane mixture, <i>see</i> Refrigerant gases, n.o.s.*,etc.								
	972. (1065)	Dichlorodifluoromethane and ethylene oxide mixtures with not more than 12 per-cent ethylene oxide	UN3070	2.3	48 90 100	3 6.1	2	X	p	25 kg

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	973. (1066)	Dihlorodifluoromethane <i>and</i> trichlorofluoro-methane mixture, <i>see</i> Refrigerant gases, n.o.s.*,etc.								
	974. (1067)	Dichlorodifluoromethane <i>and</i> trichlorofluoro-methane <i>and</i> chlorodi-fluoromethane mixture, <i>see</i> Refrigerant gases, n.o.s.*,etc.								
	975. (1068)	Dichlorodifluoromethane <i>and</i> trichlorotrifluoro-ethane mixture, <i>see</i> Refrigerant gases, n.o.s.*, etc.								
	976. (1323)	Dichlorodimethyl ether, symmetrical	UN2249	6.1	46 99 100 102	6.1	6.1	I	p	p
	977.	Dichlorodiphenyl- trichloroethane, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	978. (1070)	1, 1-Dichloroethane (R150a)	UN2362	3.2		3.2	3	II	5 L	60 L
	979. (1071)	Dichloroethylene (R1130)	UN1150	3.2		3.2	3	II	5 L	60 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	980. (1324)	Dichloroethyl ether	UN1916	6.1 9.2	109 118	6.1	6.1	П	5 L	60 L
	981. (1072)	Dichlorofluoromethane (R21)	UN1029	2.2		2.2	2	X	75 kg	150 kg
	982. (85)	Dichloroisocyanuric acid, dry <i>or</i> Dichloro-isocyanuric acid salts	UN2465	5.1		5.1	5.1	II	5 kg	25 kg
	983. (1325)	Dichloroisopropyl ether	UN2490	6.1		6.1	6.1	II	5 L	60 L
	984. (1073)	Dichloromethane <i>or</i> Methylene chloride (<i>R30</i>)	UN1593	6.1		6.1	6.1	III	60 L	220 L
	985. (1074)	1, 1-Dichloro-1-nitroethane	UN2650	6.1		6.1	6.1	II	5 L	60 L
	986. (1076)	Dichloropentanes	UN1152	3.3	89	3.3	3	III	60 L	220 L
	987.	2, 4-Dichloropheno-syacetic acid ester <i>or</i> 2, 4-D, <i>see</i> PHENOXY PESTICIDES, etc.								
	988.	2, 4-Dichlorophenoxy-acetic acid ester <i>or</i> 2, 4-D ester, <i>see</i> PHENOXY PESTICIDES, etc.								
	989. (1708)	Dichlorophenyl iso-cyanates	UN2250	6.1	46 102	6.1	6.1	II	25 kg	100 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	990. (1077)	Dichlorophenyltrichloro-silane	UN1766	8	46 56 90 118	8	8	II	p	30 L
	991. (1079)	1, 3-Dichloropropanol-2	UN2750	6.1		6.1	6.1	II	5 L	60 L
	992.	Dichloropropane, <i>see</i> Propylene dichloride								
	993.	Dichloropropene	UN2047	3.3 9.2	43 109	3.3	3	II	5 L	60 L
	994.	Dichloropropene <i>and</i> propylene dichloride mixtures, <i>see</i> Dichloropropene <i>or</i> propylene dichloride								
	995. (87)	2, 2-Dichloropropionic acid, see CORROSIVE LIQUIDS, N.O.S.*								
	996. (1082)	Dichlorosilane	UN2189	2.3 2.1	46 48 56 88 99 102	2.3 2.1 6.1	2 3	X	p	p
	997. (1083) 998.	Dichlorotetrafluoro-ethane (R114) Dichlorvos, see ORGANOPHOSPHORUS PESTICIDES, etc.	UN1958	2.2		2.2	2	X	75 kg	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	999.	Dichlorvos mixture, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1000. (2259)	Dicumyl peroxide, technically pure or Dicumyl peroxide, with inert solid or Dicumyl peroxide, not more than 50 percent in solution	UN2121	5.2	48 83 99	5.2	5.2	II	10 kg	25 kg
	1001.	Dicycloheptadiene, see 2, 5-								
	(1096) 1002. (1097)	Norbornadiene, etc. Dicyclohexylamine	UN2565	8		8	8	III	5 L	60 L
	1003. (2051)	Dicyclohexylammonium nitrite	UN2687	6.1		6.1	6.1	III	100 kg	200 kg
	1004. (2328)	Dicyclohexyl peroxy- dicarbonate, not more than 91 percent, with water	UN2153	5.2	46 48 56 83 99 +5°C +10°C	5.2	5.2	I	p	p
	1005. (2329)	Dicyclohexyl peroxy- dicarbonate, technically pure	UN2152	5.2 E	46 48 56 83 99 +5°C +10°C	5.2 E	5.2 E	I	p	p

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	Clare.	C 1	IMO	ICAO	Dl.	Passenger	
commercial		Shipping Name	identi- fication	Class- ifica-	Special Provi-	Class- ifica-	Class- ifica-	Pack-	Aircraft & Passenger	Canaa
chemicals	Item	and Description	Number	tion	sions	tion	tion	ing Group	Vehicles	Cargo Aircraft
(continued)	Hem	and Description	Number	uon	210112	uon	uon	Group	venicies	Anciait
(commune)	1006.	Dicyclopentadiene	UN2048	3.3	89	3.3	3	III	60 L	220 L
	(1098)	Dicyclopentacticite	0112040	3.3	0)	3.3	3	111	00 L	220 L
	1007.	Didecanoyl peroxide or	UN2120	5.2	46	5.2	5.2	II	p	p
	(2260)	Decanoyl peroxide, technically			48				r	r
	()	pure			56					
		1			83					
					99					
					+15°C					
	ī				+20°C					
	1008.	2, 2-Di-(4, 4-di-tert-	UN2168	5.2	48	5.2	5.2	II	5 kg	10 kg
	(1038)	butylperoxycyclohexyl) propane,			56					
		not more than 42 percent, with			83					
		inert solid			99					
	1009.	Di-2, 4-dichlorobenzoyl	UN2138	5.2	48	5.2	5.2	II	10 kg	25 kg
	(2258)	peroxide or 2, 4-Dichloro-			56					
		benzoyl peroxide, not more than			83					
	1010	52 percent as a paste	11012120		99			***	~ T	10.1
	1010.	Di-2, 4-dichlorobenzoyl	UN2139	5.2	48	5.2	5.2	II	5 L	10 L
	(2256)	peroxide or 2, 4-Dichloro-			56 63					
		benzoyl peroxide, <i>not more than</i>			83					
		52 percent in solution			99					
	1011.	Di-2, 4-dichlorobenzoyl eroxide	UN2137	5.2	48	5.2	5.2	II	5 kg	10 kg
	(2257)	or 2, 4-Dichloro-benzoyl	011/213/	J.4	46 56	J.4	5.4	11	JAg	10 kg
	(2231)	peroxide, <i>not more than 75</i>			83					
		percent, with water			99					
		percent, with water			"					

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1012. (1099)	1, 2-Di-(dimethylamino) ethane	UN2372	3.2		3.2	3	П	5 L	60 L
	1013. (2007)	Didymium nitrate	UN1465	5.1		5.1	5.1	III	25 kg	100 kg
	1014.	Dieldrin, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	1016. (1101)	Diethoxymethane	UN2373	3.1	99	3.1	3	II	5 L	60 L
	1017. (734)	2, 5-Diethoxy-4-morpholino- benzenediazonium zinc chloride	UN3036	4.1	46 48	4.1	4.1	II	15 kg	50 kg
	1018. (1102)	3, 3-Diethoxypropene	UN2374	3.2		3.2	3	II	5 L	60 L
	1019. (735)	Diethyl aluminum chloride, <i>see</i> Aluminum alkyl halides								
	1020. (1103)	Diethylamine	UN1154	3.1 9.2	56 99 109	3.1	3	II	5 L	60 L
	1021. (1104)	Diethylaminoethanol	UN2686	3.3		3.3	3	III	60 L	220 L
	1022. (1105)	Diethylamino-propylamine <i>or</i> 3-(Diethylamino)-propylamine	UN2684	8 3		8 3	8 3	III	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1023. (1106)	N, N-Diethyl aniline	UN2432	6.1		6.1	6.1	III	60 L	220 L
	1024. (1107)	Diethylbenzene	UN2049	3.3	89	3.3	3	III	60 L	220 L
	1025. (563)	Diethyl carbonate	UN2366	3.3	89	3.3	3	III	60 L	220 L
	1026. (1109)	Diethyldichlorosilane	UN1767	8 3	46 56 90	8 3	8 3	II	p	30 L
	1027. (1110)	Diethylenetriamine	UN2079	8		8	8	II	1 L	30 L
	1028. (1326)	Diethyl ether or Ethyl ether	UN1155	3.1	46 56 99	3.1	3	I	1 L	30 L
	1030. (1111)	N, N-Diethylethylene diamine	UN2685	8 3		8 3	8 3	II	1 L	30 L
	1032. (2316)	Di-2-(ethylhexyl) per- oxydicarbonate, not more than 42 percent, stable dispersion, in water	UN2960	5.2	46 48 83 99 -15C	5.2	5.2	П	p	p

-5°C

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1033. (2317)	Di-(2-ethylhexyl) peroxydicarbonate, not more than 77 percent in solution	UN2123	5.2	46 48 56 83 99 -15°C -5°C	5.2	5.2	II	p	p
	1034. (2318)	Di-(2-ethylhexyl) peroxydicarbonate, technically pure	UN2122	5.2	46 48 56 83 99 -20°C -10°C	5.2	5.2	II	p	p
	1035. (1108)	Diethyl ketone	UN1156	3.2	10 0	3.2	3	II	5 L	60 L
	1036. (1791) 1037. (1112)	Diethyl magnesium, <i>see</i> Magnesium alkyls Diethylnitrosamine, <i>see</i> POISONOUS SOLIDS, N.O.S.*								
	1038. (2315)	Diethyl peroxy-dicarbonate, not more than 27 percent in solution	UN2175	5.2	46 48 56 83 99 -10°C 0°C	5.2	5.2	II	p	p
	1039. (2802)	Diethyl sulphate	UN1594	6.1	102	6.1	6.1	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1040. (2831)	Diethyl sulphide	UN2375	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	1041. (736)	Diethylthiophosphoryl chloride	UN2751	8	56 99	8	8	II	15 kg	50 kg
	1042. (3059)	Diethylzinc	UN1366	4.2	46 99	4.2	4.2	I	p	p
	1043. (1113)	Difluorochloroethanes, <i>see</i> Chlorodifluoro-ethanes, etc.								
	1044. (1114)	Difluoroethane (R152a)	UN1030	2.1	46 56 90 102	2.1	2 3	X	p	150 kg
	1045. (1115)	1, 1-Difluoroethylene (R1132a)	UN1959	2.1	46 48 56 99 102	2.1	2	X	p	150 kg
	1046. (88)	Difluorophosphoric acid, anhydrous	UN1768	8	46 56	8	8	II	1 L	30 L
	1047. (1117)	2, 2-Dihydroperoxy propane, not more than 25 percent, with inert organic solid	UN2178	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	1048. (1120)	2, 3-Dihydropyran <i>or</i> Dihydropyran	UN2376	3.2		3.2	3	П	5 L	60 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	1049. (2262)	Di-(1-hydroxycyclohexyl) peroxide, <i>technically pure</i>	UN2148	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	1053. (1124)	Diisobutylamine	UN2361	3.3	89	3.3	3	III	60 L	220 L
	1054. (1126)	Diisobutylene, isomeric compounds	UN2050	3.2		3.2	3	II	5 L	60 L
	1055. (1125)	Diisobutyl ketone	UN1157	3.3		3.3	3	III	60 L	220 L
	1056. (2261)	Diisobutyryl peroxide, not more than 52 per-cent in solution	UN2182	5.2	46 48 56 83 99 -20°C -10°C	5.2	5.2	П	p	p
	1057. (2560)	Diisooctyl acid phosphate	UN1902	8		8	8	III	5 L	60 L
	1058. (1132)	Diisopropylamine	UN1158	3.2		3.2	3	II	5 L	60 L
	1059. (1615)	Diisopropylbenzene hydroperoxide, <i>see</i> Isopropylcumyl hydroperoxide, etc.								
	1060. (1133)	N, N-Diisopropyl-ethanolamine	UN2825	-		8	-	III	-	-

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II Product	Ш	IV	V IMO	VI ICAO	VII	VIII Passenger	IX
Discarded			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(**************************************	1061. (1335)	Diisopropyl ether	UN1159	3.1	99	3.1	3	II	5 L	60 L
	1062.	Diisopropyl peroxy-dicarbonate	UN2134	5.2	46	5.2	5.2	II	p	p
	(2330)	or Isopropyl peroxy-dicarbonate,			48				-	-
		not more than 52 percent in			56					
		solution			83					
					99					
					-10°C					
	1063.	Diisopropyl peroxy-dicarbonate	UN2133	5.2	0°C 46	5.2	5.2	II	n	
	(2331)	or Isopropyl peroxy-dicarbonate,	UN2133	5.2 E	48	5.2 E	5.2 E	11	p	p
	(2331)	technically pure		L	56	L	L			
		reeninearly pure			83					
					99					
					-15°C					
					-5°C					
	1064.	Diisotridecyl peroxydicarbonate,	UN2889	5.2	46	5.2	5.2	II	p	p
	(2332)	technically pure			48					
					83					
					99					
					-10°C 0°C					
	1065.	Diketene, inhibited	UN2521	3.3	84	3.3	3	III	60 L	220 L
	(1048)	Directic, innoted	0112321	3.3	89	3.3	3	111	00 L	220 L
	1066.	Dilauroyl peroxide <i>or</i> Lauroyl	UN2893	5.2	48	5.2	5.2	II	10 L	25 L
	(2263)	peroxide, <i>not more than 42</i>			63					
		percent, stable dispersion, in			83					
		water			99					

Table 4a Discarded commercial		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	1067. (2264)	Dilauroyl peroxide <i>or</i> Lauroyl peroxide, <i>technically pure</i>	UN2124	5.2	48 83 99	5.2	5.2	II	10 kg	25 kg
	1068. (1134)	1, 1-DIMETHOXYETHANE	UN2377	3.1	99	3.1	3	II	5 L	60 L
	1069. (1135)	1, 1-DIMETHOXYETHANE	UN2377	3.2		3.2	3	II	5 L	60 L
	1070. (1136)	1, 2-Dimethoxyethane	UN2252	3.2		3.2	3	II	5 L	60 L
	1071. (1137)	Dimethylamine, anhydrous	UN1032	2.1 6.1	46 56 88 99 102	2.1 3 6.1	2	X	p	p
	1072. (1138)	DIMETHYLAMINE, SOLUTION	UN1160	3.1 9.2	70 99 109	3.1	3	II	5 L	60 L
	1073. <i>(1139)</i>	DIMETHYLAMINE, SOLUTION	UN1160	3.2 9.2	70 109	3.2	3	II	5 L	60 L
	1074. (1140)	2-Dimethylaminoaceto-nitrile	UN2378	3.3 6.1		3.3 6.1	3 6.1	II	1 L	60 L
	1075. <i>(1141)</i>	Dimethylaminoethanol, <i>see</i> Dimethylethanolamine								
	1076. (737)	4-Dimethylamino-6-(2-dimethylaminoethoxy) toluene- 2-diazonium zinc chloride	UN3039	4.1	46 48 99 +40°C +45°C	4.1	4.1	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1077. <i>(1872)</i>	Dimethylaminoethyl methacrylate	UN2522	6.1		6.1	6.1	II	5 L	60 L
	1078. (1142)	N, N-Dimethylaniline	UN2253	6.1		6.1	6.1	II	5 L	60 L
	1079. (2265)	Di-(2-methylbenzoyl) peroxide, not more than 85 percent, with water	UN2593	5.2 E	46 48 56 83 99 +30°C +35°C	5.2 E	5.2 E	I	p	p
	1080. (1143)	2, 3-Dimethylbutane	UN2457	3.1	99	3.1	3	II	5 L	60 L
	1081. (1144)	1, 3-Dimethyl-butylamine	UN2379	3.2		3.2	3	II	5 L	60 L
	1082. (738)	Dimethylcarbamoyl chloride	UN2262	8		8	8	II	1 L	30 L
	1083. (564)	Dimethyl carbonate	UN1161	3.2		3.2	3	II	5 L	60 L
	1084. (2907)	Dimethyl chlorothio-phosphate, <i>see</i> Dimethyl thiophosphoryl chloride, etc.								
	1085. (1145)	Dimethylcyclohexanes	UN2263	3.2		3.2	3	II	5 L	60 L
	1086. (1146)	Dimethylcyclo-hexylamine	UN2264	8		8 3	8	П	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(1087. (1147)	2, 5-Dimethyl-2, 5-di- (benzoylperoxy) hexane, <i>not</i> more than 82 per-cent, with inert solid	UN2173	5.2 E	46 48 56 76 83 99	5.2 E	5.2 E	Π	p	p
	1088. (1148)	2, 5-Dimethyl-2, 5-di- (benzoylperoxy) hexane, <i>not</i> <i>more than 82 per-cent, with</i> <i>water</i>	UN2959	5.2	48 56 76 83 99	5.2	5.2	II	5 kg	10 kg
	1089. (1149)	2, 5-Dimethyl-2, 5-di- (benzoylperoxy) hexane, technically pure	UN2172	5.2 E	46 48 56 76 83 99	5.2 E	5.2 E	П	p	p
	1090. (1150)	2, 5-Dimethyl-2, 5-di-(tert-butylperoxy) hexane, <i>not more</i> than 52 percent, with inert solid	UN2156	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	1091. (1151)	2, 5-Dimethyl-2, 5-di-(tert-butylperoxy) hexane, <i>technically pure</i>	UN2155	5.2	48 56 63 83 99	5.2	5.2	П	5 L	10 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	1092. (1152)	2, 5-Dimethyl-2, 5-di-(tert-butylperoxy) hexyne-3, <i>not more than 52 percent, with inert solid</i>	UN2159	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	1093. (1153)	2, 5-Dimethyl-2, 5-di-(tert- butylperoxy) hexyne-3, technically pure	UN2158	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	1094. (1154)	Dimethyldichlorosilane	UN1162	3.2 8	46 56 90	3.2 8	3 8	I	p	2.5 L
	1095. (1155)	Dimethyldiethoxysilane	UN2380	3.2		3.2	3	II	5 L	60 L
	1096. (1156)	2, 5-Dimethyl-2, 5-di-(2- ethylhexanoylperoxy) hexane, technically pure	UN2157	5.2	46 48 56 99 +20°C +25°C	5.2	5.2	II	p	p
	1097. (1157)	2, 5-Dimethyl-2, 5-dihydroperoxy hexane <i>or</i> Dimethylhexane dihydroperoxide, <i>not more than</i> 82 per-cent, with water	UN2174	5.2 E	46 48 56 83 99	5.2 E	5.2	I	p	p

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(1098. (1159)	3, 5-Dimethyl-3, 5-di- hydroxydioxolane-1, 2, <i>see</i> Acetyl acetone peroxide								
	1099. (1158)	2, 5-Dimethyl-2, 5-di-(3, 5, 5-trimethyl hexan-oylperoxy)-hexane <i>or</i> 2, 5-Dimethyl-2, 5-di-(isononanoyl-peroxy)-hexane, <i>not more than</i> 77 percent in solution	UN3060	5.2	46 48 63 83 100	-	5.2	П	5 L	10 L
	1100. (1160)	DIMETHYLDIOXANES	UN2707	3.2		3.2	3	II	5 L	60 L
	1101. (1161)	DIMETHYLDIOXANES	UN2707	3.2		-	3	III	60 L	220 L
	1102. (1162)	DIMETHYLDIOXANES	UN2707	3.3		3.3	3	II	5 L	60 L
	1103. (1163)	DIMETHYLDIOXANES	UN2707	3.3		-	3	III	60 L	220 L
	1104. (1243)	Dimethyl disulphide	UN2381	3.2		3.2	3	II	5 L	60 L
	1105. (1164)	Dimethylethanolamine	UN2051	3.3	89	3.3	3	III	60 L	220 L
	1106. (1328)	Dimethyl ether	UN1033	2.1	56 90 102 110	2.1	2	X	p	150 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1107. (1165)	N, N-Dimethyl-formamide	UN2265	3.3		3.3	3	III	60 L	220 L
	1108. (1118)	Dimethylhexane dihydroperoxide, <i>see</i> 2, 5-Di-methyl-2, 5-dihydroperoxy hexane, etc.								
	1110.	Dimethylhydrazine, symmetrical	UN2382	3.2	46	3.2	3	I	p	30 L
	(1167)	or 1, 2-Dimethylhydrazine		6.1	99	6.1	6.1			
	1111.	Dimethylhydrazine,	UN1163	3.2	46	3.2	3	I	0.5 L	2.5 L
	(1166)	unsymmetrical <i>or</i> 1, 1- Dimethylhydrazine		8	56	8	8			
	1112. (1792)	Dimethylmagnesium, <i>see</i> Magnesium alkyls								
	1113. (1168)	Dimethylnitrosamine, <i>see</i> POISONOUS SOLIDS, N.O.S.*								
	1114. (1169)	2, 2-Dimethyl propane, <i>other than</i> pentane <i>and</i> isopentane	UN2044	2.1	46 56 90 102	2.1	2	X	p	150 kg
	1115. (1170)	Dimethyl-N-propylamine	UN2266	3.2 8		3.2 8	3 8	II	1 L	5 L
	1116. (2803)	Dimethyl sulphate	UN1595	6.1	46 56 90 99 102	6.1	6.1	I	p	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1117. (2833)	Dimethyl sulphide	UN1164	3.1	46 56 99	3.1	3	I	1 L	30 L
	1118. (739)	Dimethyl thiophosphoryl chloride or Dimethyl-chlorothiophosphate	UN2267	8		8	8	III	5 L	60 L
	1119. <i>(3060)</i>	Dimethylzinc	UN1370	4.2	46 99	4.2	4.2	I	p	p
	1120. (2333)	Dimyristyl peroxy-dicarbonate, <i>not more</i> than 42 percent, stable dispersion, in water	UN2892	5.2	46 48 68 83 99 +20°C +25°C	5.2	5.2	П	p	p
	1121. (2334)	Dimyristyl peroxydi-carbonate, technically pure	UN2595	5.2	46 48 56 83 99 +20°C +25°C	5.2	5.2	П	p	p
	1123. (1179)	Dinitroanilines	UN1596	6.1		6.1	6.1	II	25 kg	100 kg
	1124. (1180)	Dinitrobenzenes	UN1597	6.1 9.2	46 102 109	6.1	6.1	II	25 kg	100 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1125.	Dinitrochlorobenzene, see								
	(1181) 1126.	Chlorodinitrobenzene, etc. Dinitro-o-cresol	UN1598	6.1	46 102 118	6.1	6.1	II	25 5	KG or 100 kg L or 60 L
	1127. (1183)	Dinitrocyclohexylphenol	NA9026	6.1	40	-	-	III	-	-
	1135. (1192)	Dinitrophenol solutions	UN1599	6.1 9.2	109 118	6.1	6.1	II	5 L	60 L
	1136. (1193)	Dinitrophenol, wetted uniformly, with not less than 15 percent water, by mass	UN1320	4.1 6.1 9.2	10 46 48 58 99 109	4.1 6.1	4.1 6.1	I	l kg	15 kg
	1137. (1194)	Dinitrophenolates, wetted uniformly, with not less than 15 per-cent water, by mass	UN1321	4.1 6.1	10 46 48 58 99	4.1 6.1	4.1 6.1	I	l kg	15 kg
	1140. (1197)	Dinitroresorcinol, wetted uniformly, with not less than 15 per-cent water, by mass	UN1322	4.1	10 46 48 58 99	4.1	4.1	I	1 kg	15 kg

Table 4a
Discarded
commercial
chemicals
(continued)

	COL I	COL II Product identi-	COL III Class-	COL IV	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
Item	Shipping Name and Description	fication Number	ifica- tion	Special Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
1145. (1201)	N, N'-Dinitroso-N, N'-dimethyl terephthalamide, not more than 72 per-cent as a paste	UN2973	4.1 E	31 39 46 48 83 99	4.1 E	4.1 E	II	p	p
1146. (1202)	N, N'-Dinitrosopenta-methylene tetramine, <i>not more than 82 percent,</i> with phlegmatister	UN2972	4.1 E	31 39 46 48 83 99	4.1 E	4.1 E	П	p	p
1149. (1204)	Dinitrotoluenes, molten	UN1600	6.1 9.2	46 109	6.1	6.1	II	p	p
1150. (1205)	Dinitrotoluenes, liquid	UN2038	6.1 9.2	46 109	-	6.1	II	5 L	60 L
1151. (1206)	Dinitrotoluenes, solid	UN2038	6.1 9.2	46 109	6.1	6.1	II	25 kg	100 kg
1153. (2267)	Di-n-nonanoyl peroxide <i>or</i> Pelargonyl peroxide, <i>technically pure</i>	UN2130	5.2	46 48 56 83 99 0°C +10°C	5.2	5.2	П	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1157. (2269)	Di-n-octanoyl peroxide <i>or</i> n-Octanoyl peroxide, <i>technically pure</i>	UN2129	5.2	46 48 56 83 99 +10°C +15°C	5.2	5.2	II	p	p
	1158. (2268)	Di-n-octanoyl peroxide, solution or Caprylyl peroxide, solution	UN2129	5.2	48 96 99 100	5.2	-	II	-	-
	1159. (1209)	Dioxane	UN1165	3.2		3.2	3	II	5 L	60 L
	1160. (1210)	Dioxin <i>or</i> 2, 3, 7, 8-Tetra-chlorodibenzo-p-dioxin		-	-	-	-	-	-	-
	1161. <i>(1211)</i>	Dioxolane	UN1166 3	3.2		3.2	3	II	5 L	60 L
	1162. (1224)	Dipentene	UN2052	3.3	89	3.3	3	III	60 L	220 L
	1163. (90)	Diperoxy azelaic acid, not more than 27 percent, with not less than 13 per-cent azelaic acid, and not less than 53 percentsodium sulphate	UN2958	5.2 I	46 48 83 99 +35°C +40°C	5.2 I	5.2	II	p	p
	1164. (91)	Diperoxy dodecane diacid, not more than 42 percent, with not less than 56 percent sodium sulphate	UN3063	5.2 I	46 48 83 100	Ī	5.2	П	p	p

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	Item	and Description	Number	uon	SIOHS	uon	uon	Group	venicies	Aircrait
	1165. (2335)	Di-(2-phenoxyethyl)- peroxydicarbonate, <i>not more</i> than 85 per-cent with water	UN3059	5.2	46 48 83 100	-	5.2	II	5 kg	10 kg
	1166. (2336)	Di-(2-phenoxyethyl)- peroxydicarbonate, <i>technically</i> <i>pure</i>	UN3058	5.2 E	46 48 83 100	- E	5.2	II	p	p
	1167. (1231)	Diphenylamine chloro-arsine	UN1698	6.1	46 48 56 99 102 118	6.1	6.1	I	p	p
	1168. (1232)	Diphenylchloroarsine	UN1699	6.1	46 48 99 102 118	6.1	6.1	I	p	15 kg
	1169. (1233)	Diphenyldichlorosilane	UN1769	8	46 56 90	8	8	II	p	30L
	1170. (1131)	Diphenylmethane-4, 4'-diisocyanate	UN2489	6.1		6.1	6.1	III	60 L	220 L
	1171. (501)	Diphenylmethyl bromide	UN1770	8	99	8	8	II	15 kg	50 kg
	1172. (1239)	Diphenyloxide-4, 4'- disulphohydrazide	UN2951	4.1	46 48	4.1	4.1	П	15 kg	50 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	Ittiii	and Description	Mullipel	tion	510115	uon	uun	Group	Venicies	Ancian
(1173. (2832)	Dipicryl sulphide, wetted uniformly, with not less than 10 percent water, by mass	UN2852	4.1	10 46 48 58	4.1	4.1	I	p	0.5 kg
					99					
	1174. (2270)	Dipropionyl peroxide <i>or</i> Propionyl peroxide, <i>not more</i>	UN2132	5.2	46 48	5.2	5.2	II	p	p
		than 28 per-cent in solution			56 83					
	1175.	Dipropylamine	UN2383	3.2	99	3.2	3	II	5 L	60 L
	(1235)	Dipropyramme	UN2363	3.2		3.2	3	п	3 L	00 L
	1176.	4-Dipropylamino-	UN3034	4.1	48	4.1	4.1	II	15 kg	50 kg
	(740)	benzenediazonium zinc chloride							- 8	8
	1177. (1329)	Dipropyl ether	UN2384	3.1	99	3.1	3	II	5 L	60 L
	1178. (1236)	Dipropylketone	UN2710	3.3		3.3	3	III	60 L	220 L
	1179. (2337)	Di-n-propyl peroxydi-carbonate, technically pure	UN2176	5.2 E	46 48 56 76 83	5.2 E	5.2 E	I	p	p
					99 -25°C -15°C					

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	1180.	Diquat, <i>see</i> BIPYRIDILIUM PESTICIDES, etc.								
	1188. (1482)	Dispersant gas, n.o.s.*, see Refrigerant gas, n.o.s.*, etc.								
	1189. (2320)	Distearyl peroxy-dicarbonate, not more than 85 percent, with stearyl alcohol	UN2592	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	1190. (2271)	Disuccinic acid peroxide or Succinic acid peroxide, not more than 72 percent, uniformly wetted, with water	UN2962	5.2	46 48 83 99 +10°C +15°C	5.2	5.2	I	p	p
	1191. (2272)	Disuccinic acid peroxide <i>or</i> Succinic acid peroxide, technically pure	UN2135	5.2 E	46 48 56 83 99	5.2 E	5.2 E	I	p	p
	1192.	Disulfoton <i>or</i> Disulfoton mixture, liquid <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1193.	Disulfoton mixture, dry, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								

	•	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	Ш	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial		G	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	~
chemicals	. .	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(00111111111111)	1194.	DITHIOCARBAMATE	UN2772	3.2	46	3.2	3	I	P	30 L
		PESTICIDES, LIQUID,		6.1	56	6.1	6.1	_	_	
		FLAMMABLE, TOXIC,		9.2	109					
		N.O.S.*, flashpoint not less than								
		-18°C but less than 23°C								
	1195.	DITHIOCARBAMATE	UN2772	3.2	56	3.2	3	II	1 L	60 L
		PESTICIDES, LIQUID,		6.1	109	6.1	6.1			
		FLAMMABLE, TOXIC,		9.2						
		N.O.S.*, flashpoint not less than								
	-	-18°C but less than 23°C								
	1196.	DITHIOCARBAMATE	UN3005	6.1	46	6.1	6.1	II	1L	60 L
		PESTICIDES, LIQUID, TOXIC,		3	56	3	3			
		FLAMMABLE, N.O.S.*,		9.2	89					
		flashpoint not less than 23°C			94					
					109					
	1197.	DITHIOCARBAMATE	UN3005	6.1	56	6.1	6.1	II	5 L	60 L
		PESTICIDES, LIQUID TOXIC,		3	89	3	3			
		FLAMMABLE, N.O.S.*,		9.2	109					
	1100	flashpoint not less than 23°C	ID10006	- 1	1.0	- 1	- 1		4.7	20.7
	1198.	DITHIOCARBAMATE	UN3006	6.1	46	6.1	6.1	I	1 L	30 L
		PESTICIDES, LIQUID, TOXIC,		9.2	56					
		N.O.S.*			94					
	1100	DITHIOCADDAMATE	LINIOOC	<i>c</i> 1	109	<i>C</i> 1	<i>C</i> 1	TT	£ I	(O I
	1199.	DITHIOCARBAMATE	UN3006	6.1	56	6.1	6.1	II	5 L	60 L
		PESTICIDES, LIQUID, TOXIC, N.O.S.*		9.2	109					

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1200.	DITHIOCARBAMATE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3006	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	1201.	DITHIOCARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2771	6.1	46 93 109	6.1	6.1	I	5 kg	50 kg
	1202.	DITHIOCARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2771	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	1203.	DITHIOCARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2771	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	1204. (2273)	Di-(3, 5, 5-trimethyl-1, 2-dioxolanyl-3) peroxide, not more than 50 per-cent as a paste, with phlegmatiser	UN2597	5.2	46 48 56 83 99 +30°C +35°C	5.2	5.2	II	p	p
	1205. (2274)	Di-(3, 5, 5-trimethyl-hexanoyl) peroxide <i>or</i> Isononanoyl peroxide in solution <i>or</i> Di-(3, 5, 5-trimethylhexanoyl) peroxide <i>or</i> Isononanoyl peroxide, <i>technically pure</i>	UN2128	5.2	46 48 56 83 99 0°C +10°C	5.2	5.2	II	p	p

1206. Diuron, see PHENYL UREA PESTICIDES, etc.

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1207. (1345)	Divinyl ether, inhibited	UN1167	3.1	46 56 84 99	3.1	3	II	5 L	60 L
	1208. (92)	Dodecylbenzenesulphonic acid, see Alkyl, aryl or toluene sulphonic acid, liquid, etc.								
	1209. (1261)	Dodecyltrichlorosilane	UN1771	8	46 56 90	8	8	II	p	30 L
	1210. <i>(327)</i>	Dressing, leather, <i>see</i> FLAMMABLE LIQUID PREPARATIONS, N.O.S.*								
	1211. (2734)	DRIERS, PAINT <i>or</i> VARNISH, LIQUID, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN1168	3.2		3.2	3	II	5L	60 L
	1212. (2735)	DRIERS, PAINT or VARNISH, LIQUID, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN1168	3.2		-	3	III	60 L	220 L
	1213. (2736)	DRIERS, PAINT or VARNISH, LIQUID, N.O.S.*, flashpoint not less than 23°C	UN1168	3.3	89	3.3	3	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1214. (2737)	Driers, paint <i>or</i> varnish, solid, n.o.s.*	UN1371	4.1		4.1	4.1	III	25 kg	100 kg
	1215. (1262)	Drugs, n.o.s., see CORROSIVE LIQUIDS, N.O.S.* or CORROSIVE SOLIDS, N.O.S.* or FLAMMABLE LIQUIDS, N.O.S.* or FLAMMABLE SOLIDS, N.O.S.* or Oxidizing substances, n.o.s.* or POISONOUS LIQUIDS, N.O.S.* or POISONOUS SOLIDS, N.O.S.* or AEROSOLS, etc.								
	1216.	Dry ice, <i>see</i> Carbon dioxide, solid, etc.								
	1217. (802)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, corrosive, liquid	UN2801	8 3		8	8	II	1 L	30 L
	1218. (803)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, corrosive, liquid	UN2801	8		8 3	8	III	5 L	60 L
	1219. (804)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, corrosive, solid	UN2801	8		8	8	II	15 kg	50 kg
	1220. (805)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, corrosive, solid	UN2801	8		8	8	III	25 kg	100 kg

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1221. (806)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, poisonous, liquid	UN1602	6.1	46 94	6.1	6.1	I	1 L	30 L
	1222. (807)	DYES, N.O.S.* <i>or</i> DYE INTERMEDIATES, N.O.S.*, poisonous, liquid	UN1602	6.1		6.1	6.1	II	5 L	60 L
	1223. (808)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, poisonous, liquid	UN1602	6.1		6.1	6.1	III	60 L	220 L
	1224. (809)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, poisonous, solid	UN1602	6.1	46 93	6.1	6.1	I	5 kg	50 kg
	1225. (810)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, poisonous, solid	UN1602	6.1		6.1	6.1	II	25 kg	100 kg
	1226. (811)	DYES, N.O.S.* or DYE INTERMEDIATES, N.O.S.*, poisonous, solid	UN1602	6.1		6.1	6.1	III	100 kg	200 kg
	1227.	EDTA, <i>see</i> Ethylenediamine tetraacetic acid, etc.								
	1228.	Endosulfan, see ORGANOCHLORINE PESTICIDES, etc.								
	1229.	Endosulfan mixture, see ORGANOCHLORINE PESTICIDES, etc.								
	1230.	Endrin, see ORGANOCHLORINE PESTICIDES, etc.								

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	1231.	Endrin mixture, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	1233. (1403)	Engine starting fluid, with flammable gas	UN1960	2.1	46 48 56 90 100	2.1	2 3	X	p	150 kg
	1234. (1284)	Epibromohydrin	UN2558	6.1	46 99	6.1	6.1	I	p	p
	1235. (1285)	Epichlorohydrin	UN2023	6.1 9.2	102 109	6.1	6.1	II	5 L	60 L
	1236. (1286)	1, 2-Epoxy-3-ethoxy-propane	UN2752	3.3		3.3	3	III	60 L	220 L
	1237. (-)	Eradicators, Paint <i>or</i> Grease, liquid	UN1850	-	89 99 100	Y	-	I	-	-
	1238. (137)	Etching acid, liquid, n.o.s., containing a mixture of nitric and hydrofluoric acids, see Hydrofluoric acid solution, etc.								
	1239. (1309)	Ethane, compressed or Ethane	UN1035	2.1	56 90 99 102	2.1	2 3	X	p	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	1240. (1310)	Ethane, refrigerated liquid	UN1961	2.1	46 56 99 100 102	2.1	2 3	X	p	p
	1241. (1311)	ETHANOL or ETHYL ALCOHOL or ETHANOL SOLUTIONS or ETHYL ALCOHOL SOLUTIONS	UN1170	3.2		3.2	3	II	5 L	60 L
	1242. (1312)	ETHANOL or ETHYL ALCOHOL or ETHANOL SOLUTIONS or ETHYL ALCOHOL SOLUTIONS	UN1170	3.2		3.2	3	III	60 L	220 L
	1243. (1313)	ETHANOL or ETHYL ALCOHOL or ETHANOL SOLUTIONS or ETHYL ALCOHOL SOLUTIONS	UN1170	3.3	89	3.3	3	III	60 L	220 L
	1245. (1314)	Ethanolamine <i>or</i> Monoethanolamine <i>or</i> Ethanolamine solutions <i>or</i> Monoethanolamine solutions	UN2491	8		8	8	III	5 L	60 L
	1246.	Ethion, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1247.	Ethion mixture, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1248. (17)	Ethyl acetate	UN1173	3.2		3.2	3	II	5 L	60 L
	1249. (1352)	Ethyl acetylene, inhibited	UN2452	2.1	46 48 84 90 99 102	2.1	2 3	X	p	150 kg
	1250. (173)	Ethyl acrylate, inhibited	UN1917	3.2	84 118	3.2	3	II	5 L	60 L
	1251 (208)	Ethyl alcohol, <i>see</i> ETHANOL, etc.								
	1252. (1085)	Ethyl aluminum dichloride <i>or</i> Ethyl aluminum sesquichloride, <i>see</i> Aluminum alkyl halides								
	1253. (1366)	Ethylamine or Monoethylamine	UN1036	2.1 6.1	46 56 88 99 102	2.1 3 6.1	2	X	p	р

Table 4a	•	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1254. (1367)	ETHYLAMINE, AQUEOUS SOLUTIONS, with not less than 50 percent but not More than 70 percent ethylamine	UN2270	3.1 9.2	46 83 99 109	3.1	3	II	5 L	60 L
	1255. (1368)	ETHYLAMINE, AQUEOUS SOLUTIONS, with not less than 50 percent but not more than 70 percent ethylamine	UN2270	3.2 9.2	83 109 110	3.2	3	П	5 L	60 L
	1256. (1369)	ETHYLAMINE, AQUEOUS SOLUTIONS, with not less than 50 percent but not more than 70 percent ethylamine	UN2270	3.3 9.2	83 109 110	3.3	3	II	5 L	60 L
	1257. (1370)	Ethyl amyl ketone	UN2271	3.3		3.3	3	III	60 L	220 L
	1258. (1353)	N-Ethylaniline	UN2272	6.1		6.1	6.1	III	60 L	220 L
	1259. (1354)	2-Ethylaniline	UN2273	6.1		6.1	6.1	III	60 L	220 L
	1260. (1371)	Ethylbenzene	UN1175	3.2 9.2	109	3.2	3	II	5 L	60 L
	1261. (1355)	N-Ethyl-N-benzylaniline	UN2274	6.1	73	6.1	6.1	III	60 L	220 L
	1262. (1356)	N-Ethyl benzyltoluidines	UN2753	6.1	73	6.1	6.1	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	1263. (434)	Ethyl borate	UN1176	3.2		3.2	3	II	5 L	60 L
	1264. (490)	Ethyl bromide	UN1891	6.1		6.1	6.1	II	5 L	60 L
	1265. (450)	Ethyl bromoacetate	UN1603	6.1	88 99 102	6.1	6.1	II	p	p
	1266. (1357)	2-Ethylbutanol	UN2275	3.3		3.3	3	III	60 L	220 L
	1267. (16)	Ethyl butyl acetate	UN1177	3.3		3.3	3	III	60 L	220 L
	1268. (1330)	Ethyl butyl ether	UN1179	3.2		3.2	3	II	5 L	60 L
	1269. (234)	2-Ethylbutyraldehyde <i>or</i> Ethyl butyraldehyde	UN1178	3.2		3.2	3	II	5 L	60 L
	1270. (536)	Ethyl butyrate	UN1180	3.3		3.3	3	II	5 L	60 L
	1271. (741)	Ethyl chloride (R160)	UN1037	2.1	46 90 96 102	2.1	2 3	X	p	150 kg
	1272. (596)	Ethyl chloroacetate	UN1181	6.1		6.1 3	6.1	II	5 L	60 L
	1273. (663)	Ethyl chloroformate	UN1182	3.2 6.1 8	46 56 99	3.2 6.1 8	3 6.1 8	I	p	2.5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	1274.	Ethyl-2-chloropropionate	UN2935	3.3		3.3	3	III	60 L	220 L
	(641) 1275. (694)	Ethyl chlorothioformate	UN2826	8	56	8 3	8	II	1 L	30 L
	1276. (829)	Ethyl crotonate	UN1862	3.2		3.2	3	II	5 L	60 L
	1277. (836)	Ethyl cyanoacetate	UN2666	6.1		6.1	6.1	III	60 L	220 L
	1278. (533)	Ethyl-3, 3-di-(tert-butylperoxy) butyrate, not more than 50 percent, with inert inorganic solid	UN2598	5.2	48 56 83 99	5.2	5.2	II	5 kg	10 kg
	1279. (534)	Ethyl-3, 3-di-(tert-butylperoxy) butyrate, not more than 77 percent in solution	UN2185	5.2	48 56 63 83 99	5.2	5.2	П	5 L	10 L
	1280. (535)	Ethyl-3, 3-di-(tert-butylperoxy) butyrate, <i>technically pure</i>	UN2184	5.2 E	46 48 56 83 99	5.2 E	5.2 E	II	p	p
	1281. (1372)	Ethyldichloroarsine	UN1892	6.1	46 99 102 118	6.1	6.1	I	p	p

Table 4a Discarded	•	COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1282. (1373)	Ethyldichlorosilane	UN1183	4.3 3 8	46 56 89 99	4.3 3 8	4.3 3 8	I	p	1 L
	1283. (1937)	Ethylene chlorohydrin	UN1135	6.1		6.1	6.1	II	5 L	60 L
	1284. (1374)	Ethylene, compressed <i>or</i> Ethylene	UN1962	2.1	56 90 99 102	2.1	2 3	X	p	150 kg
	1285. (1375)	Ethylene, refrigerated liquid	UN1038	2.1	46 56 99 100 102	2.1	2	X	p	p
	1286. (1376)	Ethylenediamine	UN1604	8 3 9.2	109	8 3	8 3	II	1 L	30 L
	1288. (93)	Ethylenediaminetetra-acetic acid or EDTA (RL-230)	NA9117	9.2	49	-	-	III	-	-
	1289.	Ethylene dibromide	UN1605	6.1 9.2	109	6.1	6.1	II	5L	60 L

1290. Ethylene dibromide *and* methyl bromide mixtures, *see* Methyl bromide *and* ethylene dibromide mixtures, liquid

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	1291. (1087)	Ethylene dichloride	UN1184	3.2 6.1 9.2	109	3.2 6.1	3 6.1	II	1 L	60 L
	1292. (1327)	Ethylene glycol diethyl ether	UN1153	3.3		3.3	3	III	60 L	220 L
	1294. (1342)	Ethylene glycol monobutyl ether	UN2369	6.1		6.1	6.1	III	60 L	220 L
	1295. (1343)	Ethylene glycol monoethyl ether	UN1171	3.3		3.3	3	III	60 L	220 L
	1296. (22)	Ethylene glycol monoethyl ether acetate	UN1172	3.3		3.3	3	III	60 L	220 L
	1297. (1344)	Ethylene glycol monomethyl ether	UN1188	3.3		3.3	3	III	60 L	220 L
	1298. (23)	Ethylene glycol monomethyl ether acetate	UN1189	3.3		3.3	3	III	60 L	220 L
	1299. (1377)	Ethyleneimine, Inhibited	UN1185	6.1	46 56 84 99	3.2 6.1	6.1	I	p	р
	1300. (2131)	Ethylene oxide, pure <i>or</i> with nitrogen	UN1040	2.1 6.1	46 90 102	2.1 2.3 6.1	2 3	X	p	25 kg

1301. Ethylene oxide and carbon dioxide mixtures, see Carbon (2133)dioxide and ethylene oxide mixtures, etc.

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1302. (2132)	Ethylene oxide <i>and</i> dichlorodifluoromethane mixtures, <i>see</i> Dichlordifluoromethane <i>and</i> ethylene oxide mixtures, etc.								
	1303. (2134)	Ethylene oxide <i>and</i> propylene oxide mixtures, not more than 30 percent ethylene oxide	UN2983	3.1 6.1	46 56 83 99	3.1 6.1	3 6.1	I	p	30 L
	1304. <i>(1331)</i>	Ethyl ether, <i>see</i> Diethyl ether, etc.								
	1305. (1430)	Ethyl fluoride	UN2453	2.1	46 48 99	2.1	2	X	75 kg	150 kg
	1306. <i>(1452)</i>	Ethyl formate	UN1190	3.1	99	3.1	3	II	5 L	60 L
	1307. (1358)	2-Ethylhexylamine	UN2276	8		8 3	8	III	5 L	60 L
	1308. (662)	2-Ethylhexylchloro-formate	UN2748	6.1 8		6.1 8	6.1 8	II	1 L	30 L
	1310. (1693)	Ethyl isobutyrate	UN2385	3.2		3.2	3	II	5 L	60 L
	1311. (1701)	Ethyl isocyanate	UN2481	3.2 6.1	46 99	3.2 6.1	3 6.1	I	p	30 L
	1312. (1734)	Ethyl lactate	UN1192	3.3		3.3	3	III	60 L	220 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	1313. (1839)	Ethyl mercaptan	UN2363	3.1	46 56 89 90 99	3.1 6.1	3	I	p	30 L
	1314. (1876)	Ethyl methacrylate	UN2277	3.2		3.2	3	II	5 L	60 L
	1315. (1338)	Ethyl methyl ether	UN1039	2.1	46 56 90 102	2.1	2	X	p	150 kg
	1316. <i>(1378)</i>	Ethyl methyl ketone <i>or</i> Methyl ethyl ketone	UN1193	3.2		3.2	3	II	5 L	60 L
	1318. (2050)	Ethyl nitrite, solutions	UN1194	3.1 6.1	46 56 83 88 99 100	3.1 6.1	3	I	p	p
	1319. <i>(2113)</i>	Ethyl orthoformate	UN2524	3.3	89	3.3	3	III	60 L	220 L
	1320. (2119)	Ethyl oxalate	UN2525	6.1		6.1	6.1	III	60 L	220 L
	1322. (1379)	Ethylphenyldichloro-Silane	UN2435	8	46 56 90	8	8	II	p	30 L

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1323. (1086)	Ethyl phosphonothioic dichloride, anhydrous, <i>see</i> CORROSIVE LIQUIDS, N.O.S.*								
	1324. (1088)	Ethyl phosphonous dichloride, anhydrous, <i>see</i> Pyrophoric liquids, n.o.s.*								
	1325. (2580)	Ethyl phosphoro-dichloridate, see CORROSIVE LIQUIDS, N.O.S.*								
	1326. (1365)	1-Ethyl piperidine	UN2386	3.2		3.2	3	II	5 L	60 L
	1327. (2637)	Ethyl propionate	UN1195	3.2		3.2	3	II	5 L	60 L
	1328. (1332)	Ethyl propyl ether	UN2615	3.1	99	3.1	3	II	5 L	60 L
	1329. (2739)	Ethyl silicate, <i>see</i> Tetraethyl silicate, etc.								
	1330. (94)	Ethylsulphuric acid	UN2571	8	56	8	8	II	1 L	30 L
	1331. (1380)	N-Ethyltoluidines	UN2754	6.1	_	6.1	6.1	II	5 L	60 L
	1332. (1381)	Ethyltrichlorosilane	UN1196	3.2 8	46 56 90	3.2 8	3 8	I	p	2.5 L

		COL	COL	COL	COL	COL	COL	COL	\mathbf{COL}_{\dagger}	\mathbf{COL}_{\dagger}
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product	CI.	a	IMO	ICAO		Passenger	
commercial		CI. N	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	C
chemicals	T4	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger Validae	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	1333.	Etiologic agent, n.o.s., see								
	(195)	Infectious substances, etc.								
	1334.	EXTRACTS, AROMATIC,	UN1169	3.2	46	-	3	I	1 L	30 L
	(1383)	LIQUID, flashpoint not less than								
		-18°C but less than 23°C								
	1335.	EXTRACTS, AROMATIC,	UN1169	3.2		3.2	3	II	5 L	60 L
	(1384)	LIQUID, flashpoint not less than								
		-18°C but less than 23°C								
	1336.	EXTRACTS, AROMATIC,	UN1169	3.2		3.2	3	III	60 L	220 L
	(1385)	LIQUID, flashpoint not less than								
		-18°C but less than 23°C								
	1337.	EXTRACTS, AROMATIC,	UN1169	3.3	46	-	3	I	1 L	30 L
	(1386)	LIQUID, flashpoint not less than								
		23°C								
	1338.	EXTRACTS, AROMATIC,	UN1169	3.3		3.3	3	III	60 L	220 L
	(1387)	LIQUID, flashpoint not less than								
	1220	23°C	ID14405	2.2	1.5			<u> </u>	4.7	20.1
	1339.	EXTRACTS, FLAVOURING,	UN1197	3.2	46	-	3	I	1 L	30 L
	(1388)	LIQUID	ID14405	2.2		2.2				
	1340.	EXTRACTS, FLAVOURING,	UN1197	3.2		3.2	3	II	5 L	60 L
	(1389)	LIQUID	TD1440=			2.2		***	60 T	220.7
	1341.	EXTRACTS, FLAVOURING,	UN1197	3.2		3.2	3	III	60 L	220 L
	(1390)	LIQUID								

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a Discarded		1	II Product	III	IV	V	VI ICAO	VII	VIII	IX
			identi-	Class-	Special	IMO Class-	Class-	Pack-	Passenger Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)			- , , , , , , , , , , , , , , , , , , ,							
	1342.	EXTRACTS, FLAVOURING,	UN1197	3.3	46	-	3	I	1 L	30 L
	(1391)	LIQUID			89					
	1343.	EXTRACTS, FLAVOURING,	UN1197	3.3	89	3.3	3	III	60 L	220 L
	(1392)	LIQUID								
	1345.	Ferric ammonium citrate (RL-	NA9118	9.2	49	-	-	III	-	-
	(794)	50)								
	1346.	Ferric ammonium oxalate (RL-	NA9119	9.2	49	-	-	III	-	-
	(2120)	50)			110					
	1347.	Ferric arsenate	UN1606	6.1	118	6.1	6.1	II	25 kg	100 kg
	(340)		III 11 607	<i>c</i> 1	110	<i>c</i> 1	<i>c</i> 1	***	25.1	1001
	1348.	Ferric arsenite	UN1607	6.1	118	6.1	6.1	II	25 kg	100 kg
	(360) 1349.	Ferric chloride	UN1773	8	109	8	8	III	25 Ira	100 120
	1349. (778)	reffic chloride	9.2	O	109	0	0	111	25 kg	100 kg
	1350.	Ferric chloride solution	UN2582	8	109	8	8	III	5 L	60 L
	(779)	Terric emoride solution	0112302	9.2	10)	O	O	111	J L	00 L
	1351.	Ferric fluoride (RL-5)	NA9120	9.2	49	_	_	II		
	(1443)	Terrie Hadride (RE 3)	1(11)120	J. <u>2</u>	17					
	1352.	Ferric nitrate	UN1466	5.1	109	5.1	5.1	III	25 kg	100 kg
	(2039)			9.2					- 8	6
	1353.	Ferric sulphate (RL-50)	NA9121	9.2	49	-	-	III	-	-
	(2817)	•								
	1354.	Ferrocerium	UN1323	4.1		4.1	4.1	II	15 kg	50 kg
	(1397)									

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1355. (1398)	Ferrosilicon, with 30 percent or more, but less than 90 percent silicon	UN1408	4.3	34 56	4.3 6.1	4.3 6.1	III	25 kg	100 kg
	1356. (2816)	Ferrous ammonium sulphate (<i>RL-50</i>)	NA9122	9.2	49	-	-	III	-	-
	1357. (339)	Ferrous arsenate	UN1608	6.1	89 118	6.1	6.1	II	25 kg	100 kg
	1358. (777)	Ferrous chloride, solid, <i>see</i> CORROSIVE SOLIDS, N.O.S.*								
	1359. (776)	Ferrous chloride, solution, see CORROSIVE LIQUIDS, N.O.S.*								
	1360 (2719)	Ferrous metal borings, shavings, turnings <i>or</i> cuttings, <i>in a form liable to self-heating</i>	UN2793	4.2	48 89	4.2	4.2	III	25 kg	100 kg
	1361. (2815)	Ferrous sulphate (RL-50)	NA9125	9.2	49	-	-	III	-	-
	1362. (1283)	Fertilizer ammoniating solution, with free ammonia (with absolute pressure greater than 276kPa)	UN1043	2.2	56 90 99 102	2.2	2	X	p	150 kg

Table 4a Discarded commercial		COL	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
,	1365. (1401)	Films, nitrocellulose base, gelatin coated, <i>except scrap</i>	UN1324	4.1	46 48 99	4.1	4.1	III	25 kg	100 kg
	1366. (593)	Fire extinguisher charges, corrosive liquid	UN1774	8	48	8	8	II	1 L	30 L
	1367. (1382)	Fire extinguishers, with compressed <i>or</i> liquefied gas	UN1044	2.2	100	2.2	2	X	75 kg	150 kg
	1368.	Fire lighters <i>or</i> Barbecue lighters containing flammable gas, <i>see</i> Lighters for cigars, etc.								
	1369.	Firelighters, solid, with liquid having a flashpoint less than 61°C	UN2623	4.1	89	4.1	4.1	II	15 KG	50 KG
	1372.	Flammable gas in lighters, <i>see</i> Lighters for cigars, etc.								
	1373. (1762)	FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.*	UN2924	3.1 8	46 89 99	3.1 8	3 8	I	0.5 L	2.5 L
	1374. (1763)	FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.*	UN2924	3.1 8	89 99	3.1 8	3 8	II	1 L	5 L
	1375. (1764)	FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.*	UN2924	3.2 8	46	3.2 8	3 8	I	0.5 L	2.5 L

		COL	\mathbf{COL}	COL	COL	COL	COL	COL	\mathbf{COL}_{\dagger}	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	C)		IMO	ICAO		Passenger	
commercial		CI. · N	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	C
chemicals	Tı	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuea)	1276	ELAMMADI E LIQUIDO	LINIOOA	3.2		2.2	3	П	1 L	5 L
	1376. (1765)	FLAMMABLE LIQUIDS, CORROSIVE, N.O.S.*	UN2924	3.2 8		3.2 8	8	Ш	l L	3 L
	1377.	FLAMMABLE LIQUIDS,	UN2924	3.2		3.2	3	III	5 L	60 L
	(1766)	CORROSIVE, N.O.S.*	UN292 4	8		8	8	111	JL	00 L
	1378.	FLAMMABLE LIQUIDS,	UN2924	3.3	89	3.3	3	III	5 L	60 L
	(1767)	CORROSIVE, N.O.S.*	0112724	8	0)	8	8	111	JL	00 L
	1379.	FLAMMABLE LIQUIDS,	UN1993	3.1	46	3.1	3	I	1 L	30 L
	(1755)	N.O.S.*	01(1))3	3.1	89	3.1	5	•	1 2	30 L
	(1,00)	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			99					
	1380.	FLAMMABLE LIQUIDS,	UN1993	3.1	89	3.1	3	II	5 L	60 L
	(1756)	N.O.S.*			99					
	1381.	FLAMMABLE LIQUIDS,	UN1993	3.2	46	3.2	3	I	1 L	30 L
	(1757)	N.O.S.*								
	1382.	FLAMMABLE LIQUIDS,	UN1993	3.2		3.2	3	II	5 L	60 L
	(1758)	N.O.S.*								
	1383.	FLAMMABLE LIQUIDS,	UN1993	3.2		3.2	3	III	60 L	220 L
	(1759)	N.O.S.*								
	1384.	FLAMMABLE LIQUIDS,	UN1993	3.3	89	3.3	3	II	5 L	60 L
	(1760)	N.O.S.*								
	1385.	FLAMMABLE LIQUIDS,	UN1993	3.3	89	3.3	3	III	60 L	220 L
	(1761)	N.O.S.*								
	1386.	FLAMMABLE LIQUIDS,	UN1992	3.1	46	3.1	3	I	p	30 L
	(1768)	POISONOUS, N.O.S.*		6.1	89	6.1	6.1			94
	1005	EL LIGHT EL LOURG	ID11000	2.1	99	2.1	2		1.7	
	1387.	FLAMMABLE LIQUIDS,	UN1992	3.1	89	3.1	3	II	1 L	60 L
	(1769)	POISONOUS, N.O.S.*		6.1	99	6.1	6.1			

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1388.	FLAMMABLE LIQUIDS,	UN1992	3.2	46	3.2	3	I	p	30 L
	(1770)	POISONOUS, N.O.S.*		6.1	89	6.1	6.1		-	
	1389.	FLAMMABLE LIQUIDS,	UN1992	3.2	89	3.2	3	II	1 L	60 L
	(1771)	POISONOUS, N.O.S.*		6.1		6.1	6.1			
	1390.	FLAMMABLE LIQUIDS,	UN1992	3.3	46	-	3	I	p	30 L
	(1772)	POISONOUS, N.O.S.*		6.1	89		6.1		_	
	1391.	FLAMMABLE LIQUIDS,	UN1992	3.3	46	-	3	II	1 L	60 L
	(1773)	POISONOUS, N.O.S.*		6.1	89	6.1				
	1392.	FLAMMABLE LIQUID	UN1142	3.2	89	3.2	3	II	5 L	60 L
	(2621)	PREPARATIONS NOS* for								

(2621) PREPARATIONS, N.O.S.*, for the purpose of:cleaning enamel, lacquer, paint, varnish, etc; removing, reducing or thinning liquids; making products for polishing, vulcanizing, or deicing; or for dressing leather

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1393. (2622)	FLAMMABLE LIQUID PREPARATIONS, N.O.S.*, for the purpose of: cleaning enamel, lacquer, paint, varnish, etc; removing, reducing or thinning liquids; making products for polishing, vulcanizing, or de-icing; or for dressing leather	UN1142	3.2	89	3.2	3	III	60 L	220 L
	1394. (2623)	FLAMMABLE LIQUID PREPARATIONS, N.O.S.*, for the purpose of: cleaning enamel, lacquer, paint, varnish, etc; removing, reducing or thinning liquids; making products for polishing, vulcanizing, or de-icing; or for dressing leather	UN1142	3.3		3.3	3	III	60 L	220 L
	1395. (2765)	Flammable solids, corrosive, n.o.s.*	UN2925	4.1 8	46 89 99	4.1 8	4.1 8	I	1 kg	15 kg
	1396. (2764)	Flammable solids, n.o.s.*	UN1325	4.1	89	4.1	4.1	II	15 kg	50 kg
	1397. (2766)	Flammable solids, poisonous, n.o.s.*	UN2926	4.1 6.1	46 89 99	4.1 6.1	4.1 6.1	I	1 kg	15 kg

Table 4a Discarded	•	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	1398. (1402)	Flowers of sulphur, see Sulphur								
	1399. (95)	Fluoboric acid <i>or</i> Fluoroboric acid	UN1775	8		8	8	II	1 L	30 L
	1402. (1409)	Fluoroanilines	UN2941	6.1	100	6.1 3	6.1	III	60 L	220 L
	1403. (1410)	2-Fluoroaniline, <i>see</i> Fluoroanilines								
	1404. (1411)	4-Fluoroaniline, <i>see</i> Fluoroanilines								
	1405. (1412)	Fluorobenzene	UN2387	3.2		3.2	3	II	5 L	60 L
	1406. (100)	Fluorophosphoric acid, anhydrous	UN1776	8	46 56	8	8	II	1 L	30 L
	1407. (1418)	Fluorosilicates, n.o.s.*	UN2856	6.1		6.1	6.1	III	100 kg	200 kg
	1408. (102)	Fluorosulphonic acid	UN1777	8	46 56 99	8	8	I	0.5 L	2.5 L
	1409. (1419)	FLUOROTOLUENES	UN2388	3.2		3.2	3	II	5 L	60 L
	1410. (1420)	FLUOROTOLUENES	UN2388	3.2		-	3	III	60 L	220 L
	1411. (1421)	FLUOROTOLUENES	UN2388	3.3		3.3	3	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1412. (1422)	FLUOROTOLUENES	UN2388	3.3		-	3	III	60 L	220 L
	1413. (101)	Fluosilicic acid <i>or</i> Hydrofluorosilicic acid	UN1778	8	46	8	8	II	1 L	30 L
	1414. (1446)	Formaldehyde, solutions, flashpoint more than 61°C	UN2209	9.2	44 109	9	9	III	100 L	220 L
	1415. (1447)	Formaldehyde, solutions	UN1198	3.3 9.2	89 109	3.3	3	III	60 L	220 L
	1416. (1448)	Formalin, <i>see</i> Formaldehyde, solutions, etc.								
	1417. (103)	Formic acid	UN1779	8 9.2	109	8	8	II	1 L	30 L
	1418.	FUEL, AVIATION TURBINE ENGINE, flashpoint less than - 18°C	UN1863	3.1				II		
	1419. (568)	FUEL, AVIATION, TURBINE ENGINE, flashpoint not less than -18°C but less than 23°C	UN1863	3.2		3.2	3	II	5 L	60 L
	1420. (569)	FUEL, AVIATION, TURBINE ENGINE, flashpoint not less than 23°C	UN1863	3.3		-	3	III	60 L	220 L

	•	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
,	1421. (1573)	FUEL OIL or FUEL OIL, No. 1, 2, 4, 5 or 6 <i>or</i> GAS OIL	UN1202	3.2		-	3	П	5 L	60 L
	1422. (1574)	FUEL OIL or FUEL OIL, No. 1, 2, 4, 5 or 6 <i>or</i> GAS OIL	UN1202	3.2		-	3	III	60 L	220 L
	1423. (1575)	FUEL OIL or FUEL OIL, No. 1, 2, 4, 5 or 6 <i>or</i> GAS OIL	UN1202	3.3	81 89	3.3	3	III	60 L	220 L
	1424. (812)	Fuel, pyrophoric, n.o.s.*	UN1375	4.2	46 48 56 99	4.2	4.2	I	p	p
	1431. (105)	Fumaric acid (RL-230)	NA9126	9.2	49	-	-	III		-
	1432. (742)	Fumaryl chloride	UN1780	8	46	8	8	II	1 L	30 L
	1433. (1463)	Furan	UN2389	3.1	46 99	3.1	3	Ι	1 L	30 L
	1434. (1464)	Furfural	UN1199	3.3 9.2	89 109	3.3	3	III	60 L	220 L
	1435. (209)	Furfuryl alcohol	UN2874	6.1		6.1	6.1	III	60 L	220 L
	1436. (1465)	Furfurylamine	UN2526	3.3	89	3.3	3	III	60 L	220 L
	1437. (1577)	Fusel oil	UN1201	3.2	89	3.2	3	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description Gallium	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1439. (1466)	Gallium	UN2803	8	46 48 95	-	8	I	20 kg	20 kg
	1440. (1467)	Gallium	UN2803	8	48 110	8	-	III	-	-
	1441.	Gas drips, hydrocarbon	UN1864	3.2		3.2	3	II	5L	60L
	1442. (1477)	Gas identification sets, containing poisonous gases	NA9035	2.3	96 99 100 110	-	-	П	-	-
	1443. (1478)	Gas identification sets, containing poisonous or irritating liquids	NA9035	6.1	96 100 110	-	-	II	-	-
	1444. (1494)	Gas, non-pressurized, flammable, n.o.s.*, not deeply refrigerated		2.1	95	-	2 3	X	1 L	5 L
	1445. (1495)	Gas, non-pressurized, flammable, toxic, n.o.s.*, <i>not deeply refrigerated</i>		2.1 6.1	95	-	2 3 6.1	X	p	1 L
	1446. (1496) 1447. (1468)	Gas, non-pressurized, toxic, n.o.s.*, not deeply refrigerated Gas oil, see FUEL OIL, etc.		2.3	95	-	2 6.1	X	p	1 L
	1448. (1303)	Gasoline <i>or</i> Motor Spirit <i>or</i> Petrol	UN1203	3.1	99	3.1	3	II	5 L	60 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1449. (1500)	Germane	UN2192	2.3 2.1	46 48 56 88 99 102	2.3 2.1 6.1	2 3	X	p	p
	1450. (1936)	Glycerol alpha- monochlorohydrin	UN2689	6.1		6.1	6.1	III	60 L	220 L
	1454. (1503)	Glycidaldehyde	UN2622	3.3 6.1		3.3 6.1	3 6.1	II	1 L	60 L
	1455. (2009)	Guanidine nitrate	UN1467	5.1	46	5.1	5.1	III	25 kg	100 kg
	1457. (1517)	GUTTA PERCHA SOLUTION	UN1205	3.2		3.2	3	II	5 L	60 L
	1458. (1518)	GUTTA PERCHA SOLUTION	UN1205	3.2		-	3	III	60 L	220 L
	1459. (1519)	GUTTA PERCHA SOLUTION	UN1205	3.3		3.3	3	II	5 L	60 L
	1460. (1520)	GUTTA PERCHA SOLUTION	UN1205	3.3		-	3	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1461. (1522)	Hafnium powder, dry, (a) Mechanically produced, particle size between 3 and 53 micrometres; (b) Chemically produced, particle size between 10 and 840micrometres	UN2545	4.2	48 56 64 83 99 110	4.2	4.2	II	15 kg	50 kg
	1462. (1521)	Hafnium powder, wetted with not less than 25 percent water (a visible excess of water must be present), (a) Mechanically produced, particle size less than 53 micrometres; (b) Chemically produced, particle size less than 840 micrometres	UN1326	4.1	48 56 83 99 110	4.1	4.1	II	15 kg	50 kg
	1463. (1753)	HALOGENATED IRRITATING LIQUIDS, N.O.S.*	UN1610	6.1	46 48 89 99 102	6.1	6.1	I	p	p
	1464. (1754)	HALOGENATED IRRITATING LIQUIDS, N.O.S.*	UN1610	6.1	48 89 99 102	6.1	6.1	П	5 L	60 L

Table 4a
Discarded
commercial
chemicals
(continued)

	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provisions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
1466. (1525)	Helium, compressed	UN1046	2.2		2.2	2	X	75 kg	150 kg
1467. (1526)	Helium-oxygen mixture, <i>see</i> Rare gases andoxygen mixtures								
1468. (1527)	Helium, refrigerated liquid	UN1963	2.2	46	2.2	2	X	50 kg	500 kg
1469.	Heptachlor, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
1470. (1529)	n-Heptaldehyde	UN3056	3.3	100	-	3	III	60 L	220 L
1471. (1530)	Heptanes	UN1206	3.2		3.2	3	II	5 L	60 L
1472. (1531)	n-Heptene	UN2278	3.2		3.2	3	II	5 L	60 L
1473. (1533)	Hexachloroacetone	UN2661	6.1	89	6.1	6.1	III	60 L	220 L
1474. (1535)	Hexachlorobenzene	UN2729	6.1		6.1	6.1	III	60 L	220 L
1475. (1536)	Hexachlorobutadiene	UN2279	6.1	118	6.1	6.1	III	60 L	220 L
1476. (1537)	Hexachlorocyclo-pentadiene	UN2646	6.1 9.2	46 56 99 109	6.1	6.1	I	p	p

Table 4a Discarded commercial		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	1477. (1534)	Hexachloroethane (R110) (RL-0.05)	NA9037	9.2	49	-	-	III	-	-
	1478. (1538)	Hexachlorophene	UN2875	6.1		6.1	6.1	III	100 kg	200 kg
	1479. (1539)	Hexadecyltrichlorosilane	UN1781	8	46 56 90	8	8	II	p	30 L
	1480. (1540)	Hexadiene	UN2458	3.1	46 56 99	3.1	3	II	5 L	60 L
	1489. (1541)	Hexafluoroacetone	UN2420	2.3	46 48 56 90 99	2.3 6.1	2	X	p	25 kg
	1490. (1589)	Hexafluoroacetone hydrate	UN2552	6.1		6.1	6.1	П	5 L	60 L
	1491. (1542)	Hexafluoroethane (R116)	UN2193	2.2		2.2	2	X	75 kg	150 kg
	1492. (106)	Hexafluorophosphoric acid	UN1782	8	46 56	8	8	II	1 L	30 L
	1493. (1543)	Hexafluoropropylene	UN1858	2.2		2.2	2	X	75 kg	150 kg
	1494. (2142)	Hexafluoropropylene oxide, <i>see</i> Compressed <i>or</i> liquefied gases,								

n.o.s.

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		COL	COL	COL	COL	COL	COL VI	COL	COL† VIII	COL†
Table 4a		1	II Product	Ш	IV	V IMO	VI ICAO	VII	VIII Passenger	IX
Discarded			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)		P								
	1495.	Hexaldehyde	UN1207	3.3		3.3	3	III	60 L	220 L
	(1550)									
	1496.	Hexamethylenediamine, solid	UN2280	8		8	8	III	25 kg	100 kg
	(1556)									
	1497.	Hexamethylenediamine, solution	UN1783	8		8	8	II	1 L	30 L
	(1555)		T 7 7 2 2 2 1	6.1		6.1	6.1			
	1498.	Hexamethylenedi-isocyanate	UN2281	6.1		6.1	6.1	II	5 L	60 L
	(1127)	II	LINIO 402	2.2		2.0		TT	1 T	<i>E</i> T
	1499.	Hexamethyleneimine	UN2493	3.2		3.2	3	II	1 L	5 L
	(1557) 1502.	3, 3, 6, 6, 9, 9-Hexamethyl-1, 2,	UN2167	5.2	48	5.2	5.2	II	5 L	10 L
	(1551)	4, 5-tetraoxacyclo-nonane, <i>not</i>	UN2107	3.2	46 56	3.2	3.2	11	JL	10 L
	(1331)	more than 52 percent in solution			63					
		more than 32 percent in solution			83					
					99					
	1503.	3, 3, 6, 6, 9, 9-Hexamethyl-1, 2,	UN2166	5.2	48	5.2	5.2	II	5 kg	10 kg
	(1552)	4, 5-tetraoxacyclo-nonane, <i>not</i>			56				- 8	- 8
	( )	more than 52 percent, with inert			83					
		solid			99					
	1504.	3, 3, 6, 6, 9, 9-Hexamethyl-1, 2,	UN2165	5.2	46	5.2	5.2	I	p	p
	(1553)	4, 5-tetraoxacyclon-nonane,		E	48	E	E			
		technically pure			56					
					83					
					99					
	1505.	Hexamine	UN1328	4.1		4.1	4.1	III	25 kg	100 kg
	(1558)									

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	1506. (1559)	Hexanes	UN1208	3.1	99	3.1	3	II	5 L	60 L
	1515. (1570)	Hexanols	UN2282	3.3		3.3	3	III	60 L	220 L
	1516. (1571)	1-Hexene	UN2370	3.1	99	3.1	3	II	5 L	60 L
	1517. (1572)	Hexyltrichlorosilane	UN1784	8	46 56 90	8	8	II	p	30 L
	1518. (1591)	Hydrazine, anhydrous <i>or</i> Hydrazine, aqueous solutions, with more than 64 percent hydrazine, by mass	UN2029	3.3 6.1 8	46 56 99	3.3 6.1 8	3 6.18	I	p	2.5 L
	1522. (1590)	Hydrazine hydrate <i>or</i> Hydrazine, aqueous solutions, with not more than 64 percent hydrazine, by mass	UN2030	8 6.1	46 56 90 99	8 6.1	8 6.1	II	p	30 L
	1525. (1656)	Hydrides, metal, n.o.s.*	UN1409	4.3	46 99	4.3	4.3	I	p	15 kg
	1526. (109)	Hydriodic acid, solution	UN1787	8		8	8	II	1 L	30 L
	1527. (65)	Hydrobromic acid, solution, more than 49 percent hydrogen bromide	UN1788	8	46 56 88	8	8	II	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1528. (66)	Hydrobromic acid, solution, not more than 49 percent hydrogen bromide	UN1788	8		8	8	II	1 L	30 L
	1529. (1593)	Hydrocarbon gases, compressed, <i>(or</i> nonliquefied) n.o.s.* <i>or</i> Hydrocarbon gases mixtures, compressed, <i>(or</i> nonliquefied) n.o.s.*	UN1964	2.1	56 90 102	2.1	2 3	X	p	150 kg
	1530. (1594)	Hydrocarbon gases, liquefied, n.o.s.* <i>or</i> Hydrocarbon gases mixtures, liquefied, n.o.s.*	UN1965	2.1	56 90 102	2.1	2 3	X	p	150 kg
	1531. (72)	Hydrochloric acid solution <i>or</i> Hydrochloric acid	UN1789	8 9.2	72 109	8	8	II	1 L	30 L
	1532. (83)	Hydrocyanic acid, aqueous solutions, with not more than 20 per-cent hydrocyanic acid	UN1613	6.1 9.2	46 56 83 99 102 109 118	6.1	6.1	I	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1533. (99)	Hydrofluoric acid <i>and</i> sulphuric acid mixtures	UN1786	8 6.1 9.2	46 56 90 99 102 109 118	8 6.1	8 6.1	I	p	2.5 L
	1534. (97)	Hydrofluoric acid solution, more than 60 percent hydrogen fluoride	UN1790	8 6.1 9.2	46 99 109	8 6.1	8 6.1	I	0.5 L	2.5 L
	1535. (98)	Hydrofluoric acid solution, <i>not</i> more than 60 percent hydrogen fluoride	UN1790	8 6.1 9.2	46 99 109	8 6.1	8 6.1	II	1 L	30 L
	1536. <i>(107)</i>	Hydrofluorosilicic acid, <i>see</i> Fluosilicic acid, etc.								
	1537. (1596)	Hydrogen, compressed <i>or</i> Hydrogen	UN1049	2.1	56 90 99 102	2.1 2 3	X	p	150 kg	
	1538. (1599)	Hydrogen, refrigerated liquid <i>or</i> Hydrogen, liquefied	UN1966	2.1	46 56 99 102	2.1	2 3	X	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1539. (1598)	Hydrogen and carbon monoxide mixture, <i>see</i> Carbon monoxide <i>and</i> hydrogen mixture								
	1540. (1597)	Hydrogen <i>and</i> methane mixtures, <i>compressed</i>	UN2034	2.1	46 48 56 99 102	2.1	2 3	X	p	150 kg
	1541. (491)	Hydrogen bromide, anhydrous	UN1048	2.4	46 48 56 90 99 102	2.3	2 6.1	X	p	25 kg
	1542. (743)	Hydrogen chloride, anhydrous	UN1050	2.4	46 56 99 102	2.2	2 8	X	p	p
	1543. (744)	Hydrogen chloride, refrigerated liquid	UN2186	2.4	46 56 100 102	-	2 8	X	p	р
	1546. (1431)	Hydrogen fluoride, anhydrous	UN1052	2.4 6.1	46 56 88 89 99 102	8 6.1	8 6.1	X	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1547. (1678)	Hydrogen iodide, anhydrous	UN2197	2.4	46 48 56 99 102	2.2	2 8	X	p	p
	1548. (2275)	Hydrogen peroxide, aqueous solutions, with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary)	UN2984	5.1	56	5.1	5.1	III	2.5 L	30 L
	1549. (2277)	Hydrogen peroxide, aqueous solutions, with more than 40 percent but not more than 60 per-cent hydrogen peroxide (stabilized as necessary)	UN2014	5.1	46 56 78 88 89 99	5.1 8	5.1 8	I	p	p
	1550. (2276)	Hydrogen peroxide, aqueous solutions, with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary)	UN2014	5.1	56 99	5.1 8	5.1 8	II	1 L	5 L
	1551. (2278)	Hydrogen peroxide, stabilized <i>or</i> Hydrogen peroxide, aqueous solutions, <i>stabilized</i> , <i>with more than 60 per-cent hydrogen peroxide</i>	UN2015	5.1 8	46 56 78 84 99	5.1 8	5.1 8	I	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1552. (2730)	Hydrogen selenide, anhydrous	UN2202	2.3 2.1	46 48 56 88 99 102	2.3 2.1	2 3 6.1	X	p	p
	1553. (2834)	Hydrogen sulphide, liquefied <i>or</i> Hydrogen sulphide	UN1053	2.1 6.1	46 56 88 99 102	2.1 2.3	2 3 6.1	X	p	p
	1554. (1624)	Hydroquinone	UN2662	6.1		6.1	6.1	III	100 kg	200 kg
	1555. (745)	3-(2-Hydroxyethoxy)-4- pyrrolidin-1-ylbenzene- diazonium zinc chloride	UN3035	4.1	46 48 99 +40°C +45°C	4.1	4.1	II	p	p
	1557. (2804)	Hydroxylamine sulphate	UN2865	8	56	8	8	III	25 kg	100 kg
	1558. (1662)	Hypochlorite solutions, with more than 5 percent but less than 16 percent available chlorine	UN1791	8 9.2	109	8	8	III	5 L	60 L
	1559. (1663)	Hypochlorite solutions, with not less than 16 percent available chlorine	UN1791	8 9.2	109	8	8	II	1 L	30 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1561. (1665)	Igniter for aircraft thrust device for assisted take-off	UN2792	4.1	46 56 90 99	4.1	4.1	II	p	50 kg
	1562. (1664) 1565.	3, 3'-Iminodipropylamine <i>or</i> Iminobispropylamine Inflammable, <i>see</i> Flammable	UN2269	8		8	8	III	5 L	60 L
	(-)	initalililable, see Flailillable								
	1566. (1267)	INK, printer's, flash-point not less than -18°C but less than 23°C	UN1210	3.2		3.2	3	II	5 L	60 L
	1567. (1268)	INK, printer's, flash-point not less than -18°C but less than 23°C	UN1210	3.2		-	3	III	60 L	220 L
	1568. (1269)	INK, printer's, flash-point not less than 23°C	UN1210	3.3	89	3.3	3	III	60 L	220 L
	1570. (1666)	Insecticide dry <i>or</i> liquid, <i>see</i> appropriate pesticide entry								
	1571. (1486)	Insecticide gases, n.o.s.*	UN1968	2.2	48 99 100	Y	2	X	75 kg	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1572. (1487)	Insecticide gases, toxic, n.o.s.*	UN1967	2.3	46 48 56 88 99 100 102	2.3	2 6.1	X	p	p
	1575. (1939)	Iodine monochloride	UN1792	8	46 56 90 99	8	8	II	p	50 kg
	1576. (2181)	Iodine pentafluoride	UN2495	5.1 6.1	46 56 99	5.1 6.1	5.1 6.1	I	p	2.5 L
	1577. (1667)	2-Iodobutane	UN2390	3.2		3.2	3	II	5 L	60 L
	1578. (1668)	Iodomethylpropanes	UN2391	3.2		3.2	3	II	5 L	60 L
	1579. (1669)	IODOPROPANES	UN2392	3.2		3.2	3	II	5 L	60 L
	1580. (1670)	IODOPROPANES	UN2392	3.2		-	3	III	60 L	220 L
	1581. (1671)	IODOPROPANES	UN2392	3.3		3.3	3	II	5 L	60 L
	1582. (1672)	IODOPROPANES	UN2392	3.3		-	3	III	60 L	220 L

	•	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1585. (1395)	Iron mass <i>or</i> Iron sponge, <i>not properly oxidized</i> , see Pyrophoric metals, etc.								
	1586. (2135)	Iron oxide, spent <i>or</i> Iron sponge, spent (obtained from coal gas purification)	UN1376	4.2	46 56 88 99	4.2	4.2	III	p	p
	1587. (1396)	Iron pentacarbonyl	UN1994	6.1	46 48 99	6.1	6.1	I	p	p
	1588. (1688)	Isobutane or Isobutane mixtures	UN1969	2.1	56 90 102	2.1	2	X	p	150 kg
	1589. (1689)	Isobutanol or Isobutyl alcohol	UN1212	3.3	89	3.3	3	III	60 L	220 L
	1590. (18)	Isobutyl acetate	UN1213	3.2 9.2	109	3.2	3	II	5 L	60 L
	1591. (174)	Isobutyl acrylate	UN2527	3.3	89	3.3	3	III	60 L	220 L
	1592. (206)	Isobutyl alcohol, <i>see</i> Isobutanol, etc.								
	1593. (233)	Isobutyl aldehyde, <i>see</i> Isobutyraldehyde, etc.								
	1594. (1690)	Isobutylamine	UN1214	3.2 9.2	109	3.2	3	II	5 L	60 L

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	1595. (1691)	Isobutylene	UN1055	2.1	56 90 102	2.1	2	X	p	150 kg
	1596. (1453)	Isobutyl formate	UN2393	3.2		3.2	3	II	5 L	60 L
	1597. <i>(1694)</i>	Isobutyl isobutyrate	UN2528	3.3		3.3	3	III	60 L	220 L
	1598. (1702)	Isobutyl isocyanate	UN2486	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	1599. (1877)	Isobutyl methacrylate	UN2283	3.3		3.3	3	III	60 L	220 L
	1600. (2279)	Isobutyl methyl ketone peroxide, <i>see</i> Methyl isobutyl ketone peroxide, etc.								
	1601. (2638)	Isobutyl propionate	UN2394	3.2	89	3.2	3	III	60 L	220 L
	1602. (1692)	Isobutyraldehyde or Isobutyl aldehyde	UN2045	3.1	99	3.1	3	II	5 L	60 L
	1603. (110)	Isobutyric acid	UN2529	3.3 9.2	109	3.3	3	III	60 L	220 L
	1604. (308)	Isobutyric anhydride	UN2530	3.3		3.3	3	III	60 L	220 L
	1605. (1696)	Isobutyronitrile	UN2284	3.2 6.1	99	3.2 6.1	3 6.1	П	1 L	60 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	1606. (746)	Isobutyryl chloride	UN2395	3.2 8		3.2 8	3 8	П	1 L	5 L
	1607. (1712)	Isocyanates, n.o.s.* or Isocyanate solutions, n.o.s.*, boiling point not less than 30°C	UN2207	6.1		6.1	6.1	III	60 L	220 L
	1608. (1709)	ISOCYANATES, N.O.S.* or ISOCYANATE SOLUTIONS, N.O.S.*, flashpoint less than - 18°C	UN2478	3.1 6.1	99	3.1 6.1	3 6.1	II	1 L	60 L
	1609. (1710)	ISOCYANATES, N.O.S.* or ISOCYANATE SOLUTIONS, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2478	3.2 6.1	99	3.2 6.1	3 6.1	II	1 L	60 L
	1610. (1711)	Isocyanates, n.o.s.* or Isocyanate solutions, n.o.s.*, flashpoint not less than 23°C and boiling point less than 30°C	UN2206	6.1	96 99 100	6.1	6.1	II	5 L	60 L
	1611. (2983)	Isocyanatobenzotri-Fluorides	UN2285	6.1		6.1	6.1	II	5 L	60 L
	1612. (1713)	Isoheptene	UN2287	3.1	99	3.1	3	П	5 L	60 L
	1613. (1714)	Isohexene	UN2288	3.1	99	3.1	3	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
,	1614. (2280)	Isononanoyl peroxide, <i>see</i> Di-(3, 5, 5-trimethylhexanoyl) peroxide, etc.								
	1615. (1715)	Isooctane, see Octanes								
	1616. (1716)	Isooctene	UN1216	3.2		3.2	3	II	5 L	60 L
	1617. (1717)	Isopentane	UN1265	3.1	46 56 99	3.1	3	I	1 L	30 L
	1618. (111)	Isopentanoic acid, <i>see</i> CORROSIVE LIQUIDS, N.O.S.*								
	1619. (1718)	Isopentenes	UN2371	3.1	46 99	3.1	3	I	1 L	30 L
	1620. (1719)	Isophoronediamine	UN2289	8		8	8	III	5 L	60 L
	1621. (1128)	Isophoronediisocyanate	UN2290	6.1	89	6.1	6.1	III	60 L	220 L
	1622. (1720)	Isoprene, inhibited	UN1218	3.1 9.2	46 56 84 99 109	3.1	3	I	1 L	30 L
	1623. (1721)	Isopropanol or Isopropyl alcohol	UN1219	3.2		3.2	3	II	5 L	60 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1624. (1258)	Isopropanolamine dodecylbenzene-sulphonate ( <i>RL-50</i> )	NA9127	9.2	49	-	-	III	-	-
	1625. (19)	Isopropenyl acetate	UN2403	3.2		3.2	3	II	5 L	60 L
	1626. <i>(1722)</i>	Isopropenylbenzene	UN2303	3.3	89 118	3.3	3	III	60 L	220 L
	1627. (20)	Isopropyl acetate	UN1220	3.2		3.2	3	II	5 L	60 L
	1628. (2559)	Isopropyl acid phosphate <i>or</i> Isopropyl acid phosphate, solid	UN1793	8		8	8	III	25 kg	100 kg
	1629. (207)	Isopropyl alcohol, <i>see</i> Isopropanol, etc.								
	1630. (1723)	Isopropylamine	UN1221	3.1	46 56 99	3.1	3	I	1 L	30 L
	1631. (1724)	Isopropylbenzene or Cumene	UN1918	3.3	89	3.3	3	III	60 L	220 L
	1632. (537)	Isopropyl butyrate	UN2405	3.3	89	3.3	3	III	60 L	220 L
	1633. (597)	Isopropyl chloroacetate	UN2947	3.3		3.3	3	III	60 L	220 L
	1634. (664)	Isopropyl chloroformate	UN2407	3.2 8	90	3.2 8	3 8	II	p	5 L

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	1635. (642)	Isoproply-2-chloro-propionate	UN2934	3.3		3.3	3	111	60L	220 L
	1636. (1617)	Isopropylcumyl hydroperoxide or Diisoproplybenzene hydroperoxide, <i>not more than 72 percent in solution</i>	UN2171	5.2	46 63 83 99	5.2	5.2	1	1 L	5 L
	1637. (1454)	Isoproply formate, see proply formates								
	1638. (1695)	Isopropyl isobutyrate	UN2406	3.2		3.2	3	11	5 L	60 L
	1639. (1703)	Isopropyl isocyanate	UN2483	3.2 6.1	46 99	3.2 6.1	3 6.1	1	P	30 L
	1640. (1836)	Isoproply mercaptan, see Propanethiols								
	1641. (2010)	Isoproply nitrate	UN1222	3.2		3.2	3	11	5 L	60 L
	1642. (2319)	Isoproply peroxydicarbonate, see Diisopropyl peroxydicarbonate, etc.								
	1643. (2639)	Isopropyl propionate	UN2409	3.2		3.2	3	11	5 L	60 L

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1644. (1177)	Isosorbide dinitrate mixture <i>with</i> not less than 60 percent lactose, mannose, starch, or calcium hydrogen phosphate	UN2907	4.1	83 99	4.1	4.1	11	15 kg	50 kg
	1646.	Kelthane or Dicofol see ORGANOCHLORINE PESTICIDES, etc.								
	1647	Kepone or Chlordecone, see ORGANOCHLORINE PESTICIDES, etc.								
	1648. (1730)	Kerosene	UN1223	3.3	89	3.3	3	11	5 L	60 L
	1649. (579)	KETONES, LIQUID, N.O.S.*	UN1224	3.1	46 99	3.1	-	1	5 L	60 L
	1650. (580)	KETONES, LIQUID, N.O.S.*	UN1224	3.1	99	3.1	3	11	5 L	60 L
	1651. (581)	KETONES, LIQUID, N.O.S.*	UN1224	3.1		-	3	111	60 L	220 L
	1652. (582)	KETONES, LIQUID, N.O.S.*	UN1224	3.2		3.2	-	1	-	-
	1653. (583)	KETONES, LIQUID, N.O.S.*	UN1224	3.2		3.2	3	11	5 L	60 L
	1654. (584)	KETONES, LIQUID, N.O.S.*	UN1224	3.2		3.2	3	111	60 L	220 L
	1655. (585)	KETONES, LIQUID, N.O.S.*	UN1224	3.3		3.3	3	11	5 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	Ш	IV	$\mathbf{V}$	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial		CI N	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	•
chemicals	T4	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	1656. (586)	KETONES, LIQUID, N.O.S.*	UN1224	3.3		3.3	3	111	60 L	220 L
	1657. (1731)	Krypton, compressed or Krypton	UN1056	2.2		2.2	2	X	75 kg	150 kg
	1658. (1732)	Krypton, refrigerated liquid	UN1970	2.2	46	2.2	2	X	50 kg	500 kg
	1659.	Lacquers, see PAINT, etc.								
	(1736)									
	1660.	Lacquer bases, see PAINT, etc.								
	(401)									
	1661	Lacquer chips, wet, with alcohol								
	(1735)	or solvent, see PAINT, etc.								
	1662.	Lacquer base or Lacquer chips,								
	(402)	dry, see Nitrocellulose with								
		plasticizing substance, etc.								
	1663.	Lauroyl peroxide, see Dilauroyl								
	(2281)	peroxide, etc.								
	1664.	Lead acetate	UN1616	6.1	109	6.1	6.1	111	100 kg	200 kg
	(26)			9.2	118					
	1665.	Lead arenates	UN1617	6.1+9.2	109	6.1	6.1	11	25 kg	100 kg
	(342)		T 77 1 1 1 2		118					1001
	1666.	Lead arsenites	UN1618	6.1	118	6.1	6.1	11	25 kg	100 kg
	(361)									

Table 4a	•	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1668. (758)	Lead chloride, see Lead compounds, soluble, n.o.s.*								
	1669. (2608)	Lead compounds, soluble, n.o.s.*	UN2291	6.1 9.2	109 118	6.1	6.1	111	100 kg	200 kg
	1670. (849)	Lead cyanide	UN1620	6.1	102 118	6.1	6.1	11	25 kg	100 kg
	1671. (1222)	Lead dioxide or Lead peroxide	UN1872	5.1		5.1	5.1	111	25 kg	100 kg
	1672. (2725)	Lead dross (containing not less than 3 percent free acid), see Lead sulphate, etc.								
	1673. (1405)	Lead fluoborate, see Lead compounds, soluble, n.o.s.*								
	1674. (1434)	Lead fluoborate, see POISONOUS SOLIDS, N.O.S.*								
	1675. (1684)	Lead iodide, see POISONOUS SOLIDS, N.O.S.*								
	1677. (2021)	Lead nitrate	UN1469	5.1 6.1 9.2	48 109 118	5.1 6.1	5.1 6.1	11	5 kg	25 kg
	1678. (2204)	Lead perchlorate	UN1470	5.1 6.1	118	5.1 6.1	5.1 6.1	11	5 kg	25 kg
	1679	Lead peroxide, see Lead dioxide,								

(2288)

etc.

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1681. (2573)	Lead phosphite dibasic	UN2989	4.1		4.1	4.1	11	5 kg	25 kg
	1682. (2785)	Lead stearate, see POISIONOUS SOLIDS, N.O.S.*								
	1684. (2809)	Lead sulphate with not less than 3 percent free acid	UN1794	8 9.2	109	8	8	11	15 kg	50 kg
	1685. (2835)	Lead sulphide, see POISONOUS SOLIDS, N.O.S.*								
	1686. (2911)	Lead thiocyanate, see POISONOUS SOLIDS, N.O.S.*								
	1687. (988)	Leather bleach or dressing, see FLAMMABLE LIQUID PREPARATIONS, N.O.S.*								
	1691. 1692.	Lighter fluid Lighters for cigars, cigarettes, etc., with flammable gas, or Cigarette lighter or Flammable gas in lighters	UN1226 UN1057	2.1	105	3.2 2.1	2.3	ll X	1 KG	15 KG
	1694.	Lindane, see ORGANOCHLORINE PESTICIDES, etc.								

Table 4a Discarded commercial chemicals		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	1695. (1490)	Liquefied gases n.o.s., <i>see</i> Compressed <i>or</i> Liquefied gases, n.o.s.								
	1696. (1492)	Liquefied gases, nonflammable, charged with nitrogen, carbon dioxide or air	UN1058	2.2		2.2	2	X	75 kg	150 kg
	1697. (1491)	Liquefied petroleum gas, <i>see</i> Petroleum gases, liquefied, n.o.s.								
	1698. (1782)	Lithium <i>or</i> Lithium, metal <i>or</i> Lithium in cartridges	UN1415	4.3	46 48 56 90 99	4.3	4.3	II	p	50 kg
	1699. (46)	Lithium acetylide-ethylene- diamine complex, <i>see</i> Substances which in contact with water emit flammable gases, n.o.s.*								
	1700. (1783)	Lithium alkyls	UN2445	4.2	46 48 56 99	4.2	4.2	I	p	p
	1701. (1647)	Lithium aluminum hydride	UN1410	4.3	46 48 56 99	4.3	4.3	I	p	15 kg

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	1702. (1648)	Lithium aluminum hydride, ethereal	UN1411	4.3	46 48 56 99	4.3	4.3	I	p	1 L
	1703. (287)	Lithium amide	UN1412	4.3	46 48 99	4.3	4.3	II	15 kg	50 kg
	1704. (1)	Lithium batteries		4.3	90 96	-	4.3	X	p	35 kg Gross
	1705. (443)	Lithium borohydride	UN1413	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	1706. (788)	Lithium chromate (RL-50)	NA9134	9.2	49	-	-	III	-	-
	1707. (1784)	Lithium ferrosilicon	UN2830	4.3	46 48 56 99	4.3	4.3	II	15 kg	50 kg
	1708. (1646)	Lithium hydride	UN1414	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	1709. (1649)	Lithium hydride, fused solid	UN2805	4.3	46 56 99	4.3	4.3	II	15 kg	50 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	1710.	Lithium hydroxide, monohydrate	UN2680	8		8	8	II .	15 kg	50 kg
	(1634)	Edition hydroxide, mononydrate	0112000	O		O	O	11	13 Kg	30 Kg
	1711. (1633)	Lithium hydroxide, solution	UN2679	8		8	8	II	1 L	30 L
	1712. (1661)	Lithium hypochlorite dry <i>or</i> Lithium hypochlorite mixtures	UN1471	5.1	48	5.1	5.1	II	5 kg	25 kg
	1713. (2011)	Lithium nitrate	UN2722	5.1	48	5.1	5.1	III	25 kg	100 kg
	1714. (2093)	Lithium nitride	UN2806	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	1715. (2282)	Lithium peroxide	UN1472	5.1		5.1	5.1	II	5 kg	25 kg
	1716. (2746)	Lithium silicon	UN1417	4.3	46 48 56	4.3	4.3	II	15 kg	50 kg
	1717. (2619)	London Purple	UN1621	6.1		6.1	6.1	II	25 kg	100 kg
	1718. (1788)	Magnesium or Magnesium alloys, with more than 50 percent magnesium, in pellets, turnings or ribbons or Magnesium scrap	UN1869	4.1 4.3		4.1	4.1	III	25 kg	100 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuea)	1719. (1790)	Magnesium alkyls	UN3053	4.2	46 99	4.2	4.2	I	p	p
	1720. (2584)	Magnesium aluminum phosphide	UN1419	4.3	46 48 56 99	4.3	4.3	I	p	15 kg
	1721. (335)	Magnesium arsenate	UN1622	6.1	118	6.1	6.1	II	25 kg	100 kg
	1722. (454)	Magnesium bromate	UN1473	5.1		5.1	5.1	II	5 kg	25 kg
	1723. (615)	Magnesium chlorate	UN2723	5.1		5.1	5.1	II	5 kg	25 kg
	1724. (775)	Magnesium chloride and chlorate mixtures, <i>see</i> Chlorate <i>and</i> magnesium chloride mixtures								
	1725. (1003)	Magnesium diamide	UN2004	4.2	46 48	4.2	4.2	II	15 kg	50 kg
	1726. (1793)	Magnesium diphenyl	UN2005	4.2	46 48	4.2	4.2	I	p	p
	1729. (1513)	Magnesium granules, coated, particle size not less than 149 micrometres	UN2950	4.3	83	4.3	4.3	III	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1730. (1514)	Magnesium granules, uncoated, or particle size less than 149 micrometres, see Magnesium powder, etc.								
	1731. (1650)	Magnesium hydride	UN2010	4.3	46 48 99	4.3	4.3	I	p	15 kg
	1732. (2012)	Magnesium nitrate	UN1474	5.1	48	5.1	5.1	III	25 kg	100 kg
	1733. (2200)	Magnesium perchlorate	UN1475	5.1		5.1	5.1	II	5 kg	25 kg
	1734. (2283)	Magnesium peroxide	UN1476	5.1		5.1	5.1	II	5 kg	25 kg
	1735. (2583)	Magnesium phosphide	UN2011	4.3 6.1	46 48 99	4.3 6.1	4.3 6.1	I	p	15 kg
	1736. (1789)	Magnesium powder or Magnesium alloys, powder	UN1418	4.3 4.2		4.3	4.3 4.2	II	15 kg	50 kg
	1737. (2743)	Magnesium silicide	UN2624	4.3	56	4.3	4.3	II	15 kg	50 kg
	1738. (1806)	Magnetized materials	UN2807	9.1	95	NR	9	X	NL	NL
	1739.	Malathion, see								

1739. Malathion, see
ORGANOPHOSPHORUS
PESTICIDES, etc.

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1740. (309)	Maleic anhydride, solid <i>or</i> molten <i>or</i> Maleic acid	UN2215	8 9.2	44 109	8	8	III	25 kg	100 kg
	1741. (1795)	Malononitrile	UN2647	6.1		6.1	6.1	II	25 kg	100 kg
	1742.	Maneb or Maneb preparations, stabilized against self-heating	UN2968	4.3	48 84 118	4.3	4.3	III	25 KG	100 KG
	1743.	Maneb or Maneb preparations, with not less than 60 percent maneb	UN2210	4.2 4.3	48 83 118	4.2 4.3	4.2 4.3	III	25 KG	100 KG
	1744. (426)	Manganese dioxide, <i>see</i> Oxidizing substances, n.o.s.*								
	1745. (2013)	Manganese nitrate	UN2724	5.1	48	5.1	5.1	III	25 kg	100 kg
	1746. (2704)	Manganese resinate	UN1330	4.1		4.1	4.1	III	25 kg	100 kg
	1748. (270)	Matches, fusee	UN2254	4.1	88	4.1	4.1	III	p	p
	1749.	Matches, safety (book, card <i>or</i> strike on box)	UN1944	4.1		4.1	4.1	III	25 KG	100 KG
	1750.	Matches "strike anywhere"	UN1331	4.1	46 56 88	4.1	4.1	III	p	p

Table 4a Discarded commercial		COL	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(**************************************	1751.	Matches, wax "vesta"	UN1945	4.1		4.1	4.1	III	25kg	100 KG
	1752.	MEDICINES, N.O.S., corrosive,	UN1851	8		8	8	II	1 L	30 L
	(1818)	liquid								
	1753.	MEDICINES, N.O.S., corrosive,	UN1851	8		8	8	III	5 L	60 L
	(1819)	liquid								
	1754.	MEDICINES, N.O.S., corrosive,	UN1851	8		8	8	II	15 kg	50 kg
	(1820)	solid								
	1755.	MEDICINES, N.O.S., corrosive,	UN1851	8		8	8	III	25 g	100 kg
	(1821)	solid								
	1756.	MEDICINES, N.O.S.,	UN1851	3.1	46	3.1	3	I	1 L	30 L
	(1822)	flammable, liquid, flashpoint			89					
	1757.	less than -18°C	I IN 1 0 % 1	3.2	99 89	2.0	3	II	£ I	60 I
		MEDICINES, N.O.S.,	UN1851	3.2	89	3.2	3	11	5 L	60 L
	(1823)	flammable, liquid, flashpoint not less than -18°C but less than								
		23°C								
	1758.	MEDICINES, N.O.S.,	UN1851	3.3	89	3.3	3	III	60 L	220 L
	(1824)	flammable, liquid, <i>flashpoint not</i>	01(1001		0,	0.0			002	
	(1021)	less than 23°C								
	1759.	Medicines, n.o.s., flammable,	UN1851	4.1		4.1	4.1	II	15 kg	50 kg
	(1825)	solid								
	1760.	Medicines, n.o.s., oxidizing	UN1851	5.1		5.1	5.1	II	5 kg	25 kg
	(1826)	substance, solid								

		COL	COL	COL	COL	COL	COL	COL	COL	COL
T-1-1- 4		COL	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Table 4a		1	Product	111	1 4	imo	ICAO	<b>V</b> 11	Passenger	IA
Discarded			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)		-						-		
	1761.	MEDICINES, N.O.S., toxic,	UN1851	6.1	46	6.1	6.1	I	1 L	30 L
	(1827)	liquid			94					
	1762.	MEDICINES, N.O.S., toxic,	UN1851	6.1		6.1	6.1	II	5 L	60 L
	(1828)	liquid								
	1763.	MEDICINES, N.O.S., toxic,	UN1851	6.1		6.1	6.1	III	60 L	220 L
	(1829)	liquid	ID11051	- 1	4.5	- 1	- 1		~ ·	<b>70.1</b>
	1764.	MEDICINES, N.O.S., toxic,	UN1851	6.1	46	6.1	6.1	I	5 kg	50 kg
	(1830)	solid	IIN11051	<i>c</i> 1	93	<i>C</i> 1	<i>C</i> 1	TT	25.1	1001
	1765. (1831)	MEDICINES, N.O.S., toxic, solid	UN1851	6.1		6.1	6.1	II	25 kg	100 kg
	1766.	MEDICINES, N.O.S., toxic,	UN1851	6.1		6.1	6.1	III	100 kg	200 kg
	(1832)	solid	0111031	0.1		0.1	0.1	111	100 kg	200 Kg
	1767.	p-Menthyl hydro- peroxide or p-	UN2125	5.2	46	5.2	5.2	I	1 L	5 L
	(1618)	Menthane hydroperoxide,	01(2120	I	63	I	0.2	-		0 2
	,	technically pure			83					
		<i>7</i> 1			99					
	1768.	MERCAPTANS, LIQUID,	UN1228	3.1	46	3.1	3	II	p	60 L
	(1843)	N.O.S.* or MERCAPTAN		6.1	62	6.1				
		MIXTURES, LIQUID, N.O.S.*			89					
					90					
					99					
	1769.	MERCAPTANS, LIQUID,	UN1228	3.2	62	3.2	3	II	p	60 L
	(1844)	N.O.S.* or MERCAPTAN		6.1	89	6.1				
	1770	MIXTURES, LIQUID, N.O.S.*	LINI2071	<i>C</i> 1	90		<i>C</i> 1	TT	£ T	(O I
	1770.	Mercaptans, liquid, n.o.s.* or	UN3071	6.1	62 100	-	6.1 3	II	5 L	60 L
	(1845)	Mercaptan mixtures, liquid, n.o.s.*		3	100		3			
		II.O.S.								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1771.	Mercaptodimethur, <i>see</i> CARBAMATE PESTICIDES, etc.								
	1800.	MERCURY BASED PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2778	3.2 6.1 9.2	46 56 109	3.2 6.1	3 6.1	I	P	30 L
	1801.	MERCURY BASED PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2778	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	II	1 L	60 L
	1802.	MERCURY BASED PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3011	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L
	1803.	MERCURY BASED PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3011	6.1 3 9.2	56 89 109	6.1	6.1	II	5 L	60 L
	1804.	MERCURY BASED PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3012	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	1805.	MERCURY BASED PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3012	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L
	1806.	MERCURY BASED PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3012	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	1807.	MERCURY BASED PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2777	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg
	1808.	MERCURY BASED PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2777	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	1809.	MERCURY BASED PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2777	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	1832. (2137)	Mesityl oxide	UN1229	3.3	89 110	3.3	3	III	60 L	220 L
	1833. (1524)	Metal alkyl halides, n.o.s.*	UN3049	4.2	46 48 99	4.2	4.2	I	p	p
	1834. (1655)	Metal alkyl hydrides, n.o.s.*	UN3050	4.2	46 48 99	4.2	4.2	I	p	p
	1835. (1867)	Metal alkyls, n.o.s.*	UN2003	4.2	46 48 99	4.2	4.2	I	p	p

Table 4a Discarded commercial		COL	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
,	1836. (1868)	METAL ALKYL, SOLUTION, N.O.S.*	NA9195	3.1	40 46 99	-	-	II	-	-
	1837. (1869)	METAL ALKYL, SOLUTION, N.O.S.*	NA9195	3.2	40 99	-	-	II	-	-
	1838. (1870)	METAL ALKYL, SOLUTION, N.O.S.*	NA9195	3.3	40 99	-	-	II	-	-
	1839.	Metaldehyde	UN1332	4.1		4.1	4.1	III	25 KG	100 KG
	1841.	Methacrylaldehyde	UN2396	3.2	46	3.2	3	II	1 L	60 L
	(1887)			6.1	99	6.1	6.1			
	1842. (113)	Methacrylic acid, inhibited	UN2531	8	84	8	8	III	5 L	60 L
	1843. (210)	Methallyl alcohol	UN2614	3.3	89	3.3	3	III	60 L	220 L
	1844. (1879)	Methane, compressed <i>or</i> Methane or Natural gas,	UN1971	2.1 80	56	2.1	2	X	p	150 kg
	( 111)	compressed (with high methane content)			90 99					
	1845. (1880)	Methane, refrigerated liquid <i>or</i> Natural gas, refrigerated liquid <i>(with high methane content)</i>	UN1972	2.1	102 46 56 80 99 100 102	2.1	2 3	X	p	p

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1846. (1881)	Methane and hydrogen mixtures, see Hydrogen and methane mixtures, compressed								
	1847. (1882)	Methanol or Methyl alcohol	UN1230	3.2 6.1		3.2 6.1	3 6.1	II	1 L	60 L
	1849.	Methoxychlor, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.		0.1		0.1				
	1850. (1704)	Methoxymethyl-isocyanate	UN2605	3.2 6.1	46 99	3.2 6.1	3 6.1	I	p	30 L
	1851. (1884)	4-Methoxy-4-methyl-pentan-2-one	UN2293	3.3		3.3	3	III	60 L	220 L
	1852. (25)	Methyl acetate	UN1231	3.2		3.2	3	II	5 L	60 L
	1853. (1885)	Methyl acetone	UN1232	3.2		3.2	3	II	5 L	60 L
	1854. (1886)	Methyl acetylene <i>and</i> propadiene mixtures, stabilized	UN1060	2.1	56 84 90 102	2.1	2 3	X	p	150 kg
	1855. (175)	Methyl acrylate, inhibited	UN1919	3.2	84	3.2	3	II	5 L	60 L
	1856. (1888)	Methylal	UN1234	3.1	46 56 99	3.1	3	II	5 L	60 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provisions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	1857. (213)	Methyl alcohol, <i>see</i> Methanol, etc.								
	1858. (749)	Methyl allyl chloride	UN2554	3.1	99	3.1	3	II	5 L	60 L
	1859. (2731)	Methyl aluminum sesquibromide, <i>see</i> Aluminum alkyl halides								
	1860. (2732)	Methyl aluminum sesquichloride, <i>see</i> Aluminum alkyl halides								
	1861. (1889)	Methylamine, anhydrous	UN1061	2.1	46 56 99 102	2.1	2 3	X	p	150 kg 90
	1862. (1890)	Methylamine, aqueous solution	UN1235	3.1 9.2	70 99 109	3.1	3	II	5 L	60 L
	1866. (301)	Methylamyl acetate	UN1233	3.3		3.3	3	III	60 L	220 L
	1867. (1893)	Methyl amyl ketone, <i>see</i> Amyl methyl ketone, etc.								
	1868. (1894)	N-Methyl aniline	UN2294	6.1		6.1	6.1	III	60 L	220 L
	1869. (410)	Methyl benzoate	UN2938	6.1		6.1	6.1	III	60 L	220 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded			Product			IMO	<b>ICAO</b>		Passenger	
commercial		Chinain Nama	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	<b>C</b>
chemicals	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(continued)	Ittili	and Description	Mullibel	tion	510115	uon	tion	Group	Venicles	AllClait
,	1870.	alpha-Methylbenzyl alcohol	UN2937	6.1		6.1	6.1	III	60 L	220 L
	(212)									
	1871.	Methyl bromide	UN1062	2.3	46	2.3	2	X	p	p
	(492)				56	6.1				
					88 99					
					102					
	1872.	Methyl bromide <i>and</i>			102					
	10,2	chloropicrin mixtures, see								
		Chloropicrin and methyl								
		bromide mixtures								
	1873.	Methyl bromide and ethylene	UN1647	6.1	46	6.1	6.1	I	p	30 L
	(494)	dibromide mixtures, liquid		9.2	56					
					90					
					102					
	1074	3.4. d. 11	11010640	<i>c</i> 1	109	<i>c</i> 1	<i>C</i> 1	11	<b>5</b> T	(O.I.
	1874.	Methyl bromoacetate	UN2643	6.1	99	6.1	6.1	II	5 L	60 L
	(451) 1875.	3-Methyl butan-2-one	UN2397	3.2		3.2	3	II	5 L	60 L
	(1900)	3-Methyl outain-2-one	0112377	3.2		3.2	3	11	J L	00 L
	1876.	2-Methyl-1-butene	UN2459	3.1	46	3.1	3	I	1 L	30 L
	(1901)	2 1/2011/1 1 0 000110	0112109	0.1	99	0.1		-		002
	1877.	2-Methyl-2-butene	UN2460	3.1	46	3.1	3	II	5 L	60 L
	(1902)	•			56					
					99					
	1878.	3-Methyl-1-butene	UN2561	3.2	46	3.2	3	I	1 L	30 L
	(1903)				56					

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	1879. (1904)	N-Methylbutylamine	UN2945	3.2		3.2	3	II	5 L	60 L
	1880. (1336)	METHYL-tert-BUTYLETHER	UN2398	3.1	99	3.1	3	II	5 L	60 L
	1881. (1337)	METHYL-tert-BUTYLETHER	UN2398	3.2		3.2	3	II	5 L	60 L
	1882. (538)	Methyl butyrate	UN1237	3.2		3.2	3	II	5 L	60 L
	1883. (748)	Methyl chloride (R40)	UN1063	2.1 6.1	56 90 99 102 110	2.3 2.1 6.1	2 3	X	p	25 kg
	1884.	Methyl chloride <i>and</i> chloropicrin mixtures, <i>see</i> Chloropicrin <i>and</i> methyl chloride mixtures								
	1885. (751)	Methyl chloride and methylene chloride mixtures	UN1912	2.1	56 90 99 100 102 110	Y	2	X	p	150 kg
	1886. (598)	Methyl chloroacetate	UN2295	6.1		3.3	6.1	П	5 L	60 L
	1887. (665)	Methyl chloroformate	UN1238	3.2 6.1 8	46 56	3.2 6.1 8	3 6.1 8	I	p	2.5 L

Table 4a
Discarded
commercial
chemicals
(continued)

Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX  Cargo Aircraft
1888. (1339)	Methylchloromethyl ether	UN1239	3.1	46 56 88 99	3.1	3	II	p	p
1889. (643)	Methyl-2-chloro-propionate	UN2933	3.3		3.3	3	III	60 L	220 L
1890. (1905)	Methylchlorosilane	UN2534	2.1	46 89 99	3.2 8 8	2 3	X	p	25 kg
1891. (847)	Methyl cyanide or Acetonitrile	UN1648	3.2 6.1	102 110	3.2 6.1	3 6.1	II	1 L	60 L
1892. (1906)	Methyl cyclohexane	UN2296	3.2		3.2	3	II	5 L	60 L
1893. (1907)	Methyl cyclohexanols	UN2617	3.3		3.3	3	III	60 L	220 L
1894. (1908)	Methyl cyclohexanone	UN2297	3.3		3.3	3	III	60 L	220 L
1895. (2303)	Methylcyclohexanone peroxide(s), not more than 67 percent in solution	UN3046	5.2 I	46 48 83 99 +35°C +40°C	5.2 I	5.2 I	I	p	p
1896. (1909)	Methyl cyclopentane	UN2298	3.2		3.2	3	II	5 L	60 L
1897. (1051)	Methyl dichloroacetate	UN2299	6.1 8	89	6.1	6.1	П	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	1898. (1910)	Methyldichloroarsine, <i>see</i> Compressed <i>or</i> liquefied gases, toxic, n.o.s.*								
	1899. (1911)	Methyldichlorosilane	UN1242	4.3 3 8	46 56 99	4.3 3 8	4.3 3 8	I	p	1 L
	1900. (752)	Methylene chloride, <i>see</i> Dichloromethane, etc.								
	1901. (753)	Methylene chloride <i>and</i> methyl chloride mixtures, <i>see</i> Methyl chloride <i>and</i> methylene chloride mixtures								
	1903. (1912)	Methyl ethyl ketone, <i>see</i> Ethyl methyl ketone, etc.								
	1905. (2304)	Methyl ethyl ketone peroxide(s), not more than 50 percent in solution, with not more than 9 percent available oxygen	UN2550	5.2 I	46 48 56 63 99	5.2 I	5.2	I	1 L	5 L
	1906. (2306)	Methyl ethyl ketone Peroxide(s), not more than 60 percent in solution	UN2127	5.2 E I	38 46 48 56 83 99	5.2 E I	5.2 E	I	p	p

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1907. (2307)	Methyl ethyl ketone peroxide(s), not more than 40 percent in diisobutylnylonate (44-55 percent diiso-butyl glutorate, 20-40 percent diisobutyl adipate, 15-25 percent diisobutyl succinate), with not more than 8.2 percent available oxygen	UN3068	5.2 I	46 48 63 83 100	Ī	5.2	I	1 L	5 L
	1908. (1913)	2-Methyl-5-ethyl pyridine	UN2300	6.1		6.1	6.1	III	60 L	220 L
	1909. (1432)	Methyl fluoride (R41)	UN2454	2.1	46 56 90 99 102	2.1	2	X	p	150 kg
	1910. (1455)	Methyl formate	UN1243	3.1	46 56 99	3.1	3	I	1 L	30 L
	1911. (1914)	2-Methylfuran <i>or</i> Methylfuran	UN2301	3.1	99	3.1	3	II	5 L	60 L
	1914. (1915)	5-Methylhexan-2-one	UN2302	3.3		3.3	3	III	60 L	220 L
	1916. (1683)	Methyl iodide	UN2644	6.1		6.1	6.1	П	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1917. (211)	Methyl isobutyl carbinol	UN2053	3.3		3.3	3	III	60 L	220 L
	1918. (1917)	Methyl isobutyl ketone	UN1245	3.2		3.2	3	II	5 L	60 L
	1919. (2284)	Methyl isobutyl ketone peroxide, not more than 62 percent, with phlegmatiser, or Methyl isobutyl ketone peroxide, not more than 62 percent, with 20 percent methyl isobutyl ketone and 20 percent phlegmatiser	UN2126	5.2 I	38 46 56 63 83 99	5.2 I	5.2	I	1 L	5 L
	1921. (1918)	Methyl isopropenyl ketone, inhibited	UN1246	3.2	84	3.2	3	II	5 L	60 L
	1922. (1726)	Methyl isothiocyanate	UN2477	3.2 6.1	90 99	3.2 6.1	3 6.1	II	p	60 L
	1923. (1727)	Methyl isovalerate	UN2400	3.2		3.2	3	II	5 L	60 L
	1924. (495)	Methyl magnesium bromide in ethyl ether	UN1928	4.2	46 56 99	4.2	4.2	I	p	p
	1925. (1840)	Methyl mercaptan	UN1064	2.1 6.1	46 56 90 102	2.1	2 3 6.1	X	p	25 kg
	1926. (1878)	Methyl methacrylate monomer, inhibited	UN1247	3.2 9.2	84 109	3.2	3	II	5 L	60 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Special Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(communica)	1927. (1919)	METHYLMORPHOLINE	UN2535	3.2		3.2 8	3 8	II	1 L	5 L
	1928. (1920)	METHYLMORPHOLINE	UN2535	3.3 8		3.3 8	3 8	II	1 L	5 L
	1931.	Methyl orthosilicate	UN2606	3.2 6.1	46 99	3.2 6.1	3 6.1	I	P	30 L
	1932.	Methyl parathion, liquid, <i>or</i> Methyl parathion mixture, liquid <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1933.	Methyl parathion mixture, dry, see ORGANOPHOSPHORUS PESTICIDES, etc.								
	1934. (1922)	Methylpentadiene	UN2461	3.1	99	3.1	3	II	5 L	60 L
	1935. (1923)	Methyl pentane, see Hexanes								
	1936. (1924)	2-Methylpentan-2-ol	UN2560	3.3	89	3.3	3	III	60 L	220 L
	1937. (1925)	Methylphenyldichloro-silane	UN2437	8		3.3 8	8	II	1 L	30 L
	1938. (1090)	Methyl phosphonothioic dichloride, anhydrous, <i>see</i> CORROSIVE LIQUIDS, N.O.S.*								

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(	1939. (1089)	Methyl phosphonous dichloride, see Pyrophoric liquids, n.o.s.*								
	1941. (1926)	1-Methylpiperidine	UN2399	3.2		3.2	3	II	5 L	60 L
	1942. (2640)	Methyl propionate	UN1248	3.2		3.2	3	II	5 L	60 L
	1943. (1340)	Methyl propylether	UN2612	3.1	99	3.1	3	II	5 L	60 L
	1944. (1927)	Methyl propyl ketone	UN1249	3.2		3.2	3	II	5 L	60 L
	1945. (1928)	Methyltetrahydrofuran	UN2536	3.2		3.2	3	II	5 L	60 L
	1946. (2946)	Methyl trichloroacetate	UN2533	6.1	73	6.1	6.1	III	60 L	220 L
	1947. (1929)	Methyltrichlorosilane	UN1250	3.2 8	46 56 90	3.2 8	3 8	I	p	2.5 L
	1949. (1930)	alpha-Methyl valeraldehyde	UN2367	3.2	89	3.3	3	II	-	-
	1950. (1931)	Methyl vinyl ketone, inhibited	UN1251	3.2	84	3.2	3	II	5 L	60 L
	1951. (1932)	Mevinphos or Mevinphos mixture, liquid, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provisions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	1952.	Mevinphos mixutre, dry, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1953.	Mexacarbate, see CARBAMATE PESTICIDES, etc.								
	1955.	Mipafox, see ORGANOPHOSPHORUS PESTICIDES, etc.								
	1956.	Molybdenum pentachloride	UN2508	8		8	8	III	25 kg	100 kg
	(2176)	-							_	_
	1957.	Monochloroacetone, see								
	(1938)	Chloroacetone, stabilized, etc.								
	1958.	Monoethanolamine, see								
	(1940)	Ethanolamine, etc.								
	1959.	Monoethylamine, see								
	(1941)	Ethylamine, etc.								
	1960. (1952)	Morpholine	UN2054	3.3	89	3.3	3	III	60 L	220 L
	1961.	Motor fuel antiknock mixtures	UN1649	6.1	46	6.1	6.1	I	р	30 L
	(318)			3	56	3	3		_	
					90					
					99					
					102					
					118					

1962. Motor spirit, see Gasoline, etc.

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	1964. (116)	Muriatic acid, <i>see</i> Hydrochloric acid solution, etc.								
	1965. (1955)	Musk xylene, <i>see</i> 5-tert-Butyl-2, 4, 6-trinitro-m-xylene, etc.								
	1966.	Naled, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	1967. (1960)	NAPHTHA	UN2553	3.2		3.2	3	II	5 L	60 L
	1968. (1961)	NAPHTHA	UN2553	3.3		3.3	3	III	60 L	220 L
	1969. (1962)	Naphtha distillates, <i>see</i> PETROLEUM DISTILLATES, N.O.S.*, etc.								
	1970. (1963)	NAPHTHA, PETROLEUM	UN1255	3.1		-	3	II	5 L	60 L
	1971. (1964)	NAPHTHA, PETROLEUM	UN1255	3.1		-	3	III	60 L	220 L
	1972. (1965)	NAPHTHA, PETROLEUM	UN1255	3.2		3.2	3	II	5 L	60 L
	1973. (1966)	NAPHTHA, PETROLEUM	UN1255	3.2		-	3	III	60 L	220 L
	1974. (1967)	NAPHTHA, PETROLEUM	UN1255	3.3		-	3	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(11)	1975. (2778)	NAPHTHA, SOLVENT	UN1256	3.2		3.2	3	II	5 L	60 L
	1976. (2779)	NAPHTHA, SOLVENT	UN1256	3.3		3.3	3	III	60 L	220 L
	1977. (1957)	Naphthalene, crude <i>or</i> Naphthalene, refined	UN1334	4.1 9.2	109 118	4.1	4.1	III	25 kg	100 kg
	1979. (1959)	Naphthalene, molten	UN2304	4.1 9.2	109 118	4.1	4.1	III	25 kg	100 kg
	1980. (117)	Naphthenic acid (RL-5)	NA9137	9.2	40	-	-	II	-	-
	1982. (1969)	alpha-Naphthylamine	UN2077	6.1		6.1	6.1	III	100 kg	200 kg
	1983. (1970)	beta-Naphthylamine	UN1650	6.1		6.1	6.1	II	25 kg	100 kg
	1985. (1972)	Naphthylurea	UN1652	6.1		6.1	6.1	II	25 kg	100 kg
	1986. 1987. (1291)	Natural gas, <i>see</i> Methane, etc.  Natural gasoline	UN1257	3.1	99	3.1	3	II	5 L	60 L
	1988. (1975)	Neohexane, see Hexanes								
	1989. (1976)	Neon, compressed or Neon	UN1065	2.2		2.2	2	X	75 kg	150 kg
	1990. (1977)	Neon, refrigerated liquid	UN1913	2.2	46	2.2	2	X	50 kg	500 kg

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	1991. (2806)	Nickel ammonium sulphate ( <i>RL-230</i> )	NA9138	9.2	49	-	-	III	-	-
	1993. (573)	Nickel catalyst, dry	UN2881	4.2	46 48 56	4.2	4.2	I	p	p
	1994. (572)	Nickel catalyst, wetted with not less than 40 percent water or other suitable liquid, by mass, finely divided, activated or spent	UN1378	4.2	46 48 56 90	4.2	4.2	II	p	50 kg
	1995. (754)	Nickel chloride	NA9139	6.1 9.2	40 109	-	-	III	-	-
	1997. (1635)	Nickel hydroxide (RL-50)	NA9140	9.2	49	-	-	III	-	-
	1998. (2015)	Nickel nitrate	UN2725	5.1 9.2	109	5.1	5.1	III	25 kg	100 kg
	1999. (2053)	Nickel nitrite	UN2726	5.1		5.1	5.1	III	25 kg	100 kg
	2001. (2805)	Nickel sulphate (RL-230)	NA9141	9.2	49	-	-	III	-	-
	2002.	Nicotine	UN1654	6.1	56 89 102	6.1	6.1	II	5 L	60 L

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Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	2003.	NICOTINE COMPOUNDS N.O.S.* or NICOTINE PREPARATIONS, N.O.S.*liquid	UN1655	6.1	46 94 102	6.1	6.1	I	1 L	30 L
	2004.	NICOTINE COMPOUNDS N.O.S.*, or NICOTINE PREPARATIONS, N.O.S.* liquid	UN1655	6.1	102	6.1	6.1	II	5 L	60 L
	2005.	NICOTINE COMPOUNDS N.O.S.*, or NICOTINE PREPARATIONS, N.O.S.* liquid	UN1655	6.1		6.1	6.1	III	60 L	220 L
	2006.	NICOTINE COMPOUNDS, N.O.S.* or NICOTINE PREPARATIONS, N.O.S.* solid	UN1655	6.1	46 93 102	6.1	6.1	I	5 KG	50 KG
	2007.	NICOTINE COMPOUNDS, N.O.S.*, or NICOTINE PREPARATIONS, N.O.S.* solid	UN1655	6.1	102	6.1	6.1	II	25 KG	100 KG
	2008.	NICOTINE COMPOUNDS, N.O.S.*, or NICOTINE PREPARATIONS, N.O.S.* solid	UN1655	6.1		6.1	6.1	III	100 KG	200 KG
	2009.	Nicotine hydrochloride <i>or</i> Nicotine hydrchloride, solutions	UN1656	6.1	102	6.1	6.1	П	5L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	2010.	Nicotine salicylate	UN1657	6.1	102	6.1	6.1	II	25 kg	100 kg
	2011.	Nicotine sulphate, Solid	UN1658	6.1	102	6.1	6.1	II	25 KG	100 KG
	2012.	Nicotine sulphate, solution <i>or</i> liquid	UN1658	6.1	102	6.1	6.1	II	5 L	60 L
	2013.	Nicotine tartrate	UN1659	6.1	102	6.1	6.1	II	25 KG	100 KG
	2016. (2044)	Nitrates, inorganic, n.o.s.*	UN1477	5.1	48	5.1	5.1	II	5 kg	25 kg
	2017. (143)	Nitrating acid mixtures, more than 50 percent nitric acid	UN1796	8 5.1 9.2	46 56 78 90 99 109	8 5.1	8 5.1	I	p	2.5 L
	2018. (144)	Nitrating acid mixtures, not more than 50 percent nitric acid	UN1796	8 9.2	46 56 90 99 109	8	8	II	p	30 L
	2019. (145)	Nitrating acid mixtures, spent, more than 50 percent nitric acid	UN1826	8 5.1 9.2	46 56 61 78 99 109	8 5.1	8 5.1	I	p	2.5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	2020. (146)	Nitrating acid mixtures, spent, not more than 50 percent nitric acid	UN1826	8 9.2	46 56 61 78 90 99 109	8	8	II	p	30 L
	2021. (121)	Nitric acid, fuming, more than 70 percent nitric acid	UN2032	8 5.1 6.1 9.2	46 56 78 99 102 109	8 5.1 6.1	8 5.1 6.1	I	p	2.5 L
	2022. (118)	Nitric acid, more than 70 percent nitric acid	UN2031	-	96 99 100	8	8	I	p	2.5 L
	2023. (119)	Nitric acid, not more than 70 percent nitric acid	UN2031	8 9.2	46 56 78 90 99 109	8	8	П	p	30 L
	2024. (120)	Nitric acid, not more than 20 percent nitric acid	UN2031	8	95	-	8	II	1 L	30 L

		COL	COL	COL	COL	COL	COL	COL	$\mathbf{COL}\dagger$	$\mathbf{COL}_{\dagger}$
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2025. (122)	Nitric acid, red, fuming, more than 90 percent nitric acid	UN2032	8 5.1 6.1 9.2	46 56 78 99 102 109	8 5.1 6.1	8 5.1 6.1	I	p	2.5 L
	2029. (2059)	Nitrites, inorganic, n.o.s.*	UN2627	5.1	48 57	5.1	5.1	II	5 kg	25 kg
	2032. (1988)	Nitroanisole, liquid	UN2730	6.1		6.1	6.1	Ш	60 L	220 L
	2033. (1989)	Nitroanisole, solid	UN2730	6.1		6.1	6.1	III	100 kg	200 kg
	2035. (2063)	Nitrobenzene <i>or</i> Nitrobenzene, liquid	UN1662	6.1 9.2	109	6.1	6.1	II	5 L	60 L
	2036. (123)	Nitrobenzenesulphonic acid	UN2305	8		8	8	II	1 L	30 L
	2037. (2984)	Nitrobenzotrifluorides	UN2306	6.1	56 118	6.1	6.1	II	5 L	60 L
	2038. (2064)	Nitrobromobenzene, liquid	UN2732	6.1		6.1	6.1	III	60 L	220 L
	2039. (2065)	Nitrobromobenzene, solid	UN2732	6.1		6.1	6.1	III	100 kg	200 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2040. (2069)	Nitrocellulose solution, flammable with not more than 12.6 percent nitrogen, by dry mass, and not more than 55 percent nitrocellulose, flashpoint not less than -18°C but less than 23°C	UN2059	3.2	41	3.2	3	П	5 L	60 L
	2041. (2070)	Nitrocellulose solution, flammable with not more than 12.6 percent nitrogen, by dry mass, and not more than 55 percent nitrocellulose, flashpoint not less than 23°C	UN2060	3.3	41	3.3	3	П	5 L	60 L
	2042. (2066)	Nitrocellulose with alcohol, (not less than 25 percent alcohol by mass), and not more than 12.6 percent nitrogen, by dry mass	UN2556	4.1	29 46 48 56 58 83 89 99	4.1	4.1	П	1 kg	15 kg

Table 4a	_	COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2043. (2067)	Nitrocellulose with plasticizing substance, (not less than 18 percent plasticizer, by mass), and not more than 12.6 percent nitrogen, by dry mass	UN2557	4.1	29 46 48 83 89 99	4.1	4.1	П	l kg	15 kg
	2044. (2068)	Nitrocellulose with water, (not less than 25 percent water, by mass)	UN2555	4.1	29 46 48 58 83 89 99	4.1	4.1	II	15 kg	50 kg
	2045. (2071)	Nitrochlorobenzenes, <i>see</i> Chloronitrobenzenes								
	2046. (1433)	3-Nitro-4-chlorobenzotrifluoride	UN2307	6.1	118	6.1	6.1	II	5 L	60 L
	2047. (2072)	Nitrocresols	UN2446	6.1	118	6.1	6.1	III	100 kg	200 kg
	2049. (2073)	Nitroethane	UN2842	3.3		3.3	3	III	60 L	220 L
	2052. (375)	Nitrogen, compressed <i>or</i> Nitrogen	UN1066	2.2		2.2	2	X	75 kg	150 kg
	2053. (376)	Nitrogen, refrigerated liquid <i>or</i> Nitrogen, pressurized liquid	UN1977	2.2	46 56	2.2	2	X	50 kg	500 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2054. (374)	Nitrogen <i>and</i> rare gases mixtures, <i>see</i> Rare gases <i>and</i> nitrogen mixtures								
	2056. (2902)	Nitrogen tetroxide <i>and</i> nitric oxide mixtures, <i>see</i> Nitric oxide <i>and</i> nitrogen tetroxide mixtures								
	2058. (2973)	Nitrogen trifluoride	UN2451	2.3	46 56 76 90 99 102	2.3 6.1	2	X	p	25 kg
	2061. (3025)	Nitrogen trioxide	UN2421	2.3 5.1	46 56 79 88 99 100 102	2.3 5.1	2 6.1	X	p	p
	2062. (2075)	Nitroglycerin solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin	UN3064	3.2	9 48 100	-	3	II	p	5 L

Table 4a	-	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2063. (2076)	Nitroglycerin solution in alcohol, with not more than 1 percent nitroglycerin	UN1204	3.2	48	3.2	3	II	5 L	60 L
	2065. (2078)	Nitroguanidine, (picrite) wetted, uniformly, with not less than 20 percent water, by mass	UN1336	4.1	10 46 48 58 99	4.1	4.1	I	1 kg	15 kg
	2067. (124)	Nitrohydrochloric acid	UN1798	8 9.2	46 56 78 90 99 109	8	8	I	p	2.5 L
	2071. (2081)	Nitromethane	UN1261	3.3	48 90	3.3	3	II	p	60 L
	2073. (2082)	Nitronaphthalene	UN2538	4.1		4.1	4.1	III	25 kg	100 kg
	2074. (2083)	Nitrophenols (o-, m-, p-)	UN1663	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2077. (2085)	Nitropropanes	UN2608	3.3		3.3	3	III	60 L	220 L
	2078. (2086)	p-Nitrosodimethylaniline	UN1369	4.2	48 99	4.2	4.2	П	15 kg	50 kg

Table 4a Discarded commercial		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL†
chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(**************************************	2080. (2061)	Nitrostarch, wetted uniformly, with not less than 20 percent water, by mass	UN1337	4.1	10 46 48 58 99	4.1	4.1	I	1 kg	15 kg
	2081. (2062)	Nitrostarch, wetted uniformly, with not less than 30 percent alcohol, or solvent, see Flammable liquids, n.o.s.								
	2083. (755)	Nitrosyl chloride	UN1069	2.4	46 56 99 102	2.3	2 8	X	p	p
	2084. (1603)	Nitrosylsulphuric acid	UN2308	8	46 99	8	8	II	1 L	30 L
	2085. (2089)	Nitrotoluenes, (o-, m-, p-) liquid	UN1664	6.1 9.2	102 109	6.1	6.1	II	5 L	60 L
	2086. (2090)	Nitrotoluenes, (o-, m-, p-) solid	UN1664	6.1 9.2	102 109	6.1	6.1	II	25 kg	100 kg
	2087. (2091)	Nitrotoluidines (mono)	UN2660	6.1		6.1	6.1	III	100 kg	200 kg
	2088. (2649)	Nitrous oxide, compressed <i>or</i> Nitrous oxide	UN1070	2.2 5.1	102	2.2 5.1	2	X	75 kg	150 kg
	2089. (2650)	Nitrous oxide, refrigerated liquid	UN2201	2.2 5.1	102	2.2 5.1	2	X	75 kg	150 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	2090. (2651)	Nitrous oxide/carbon dioxide mixtures, <i>see</i> Carbon dioxide <i>and</i> nitrous oxide mixtures								
	2091. (2092)	Nitroxylenes (o-, m-, p-)	UN1665	6.1	118	6.1	6.1	II	5 L	60 L
	2092. (2096)	Nonanes	UN1920	3.3	89	3.3	3	III	60 L	220 L
	2093. (2097)	Nonyltrichlorosilane	UN1799	8	46 56 90	8	8	II	p	30 L
	2094. (2098)	2, 5-Norbornadiene or Dicycloheptadiene or Bicyclo [2.2.1] hepta-2, 5-diene	UN2251	3.2	99	3.1	3	II	5L	60L
	2095. (2100)	Octadecyltrichlorosilane	UN1800	8	46 56 90	8	8	II	p	30 L
	2096. (2101)	OCTADIENE	UN2309	3.2		-	3	II	5 L	60 L
	2097. (2102)	OCTADIENE	UN2309	3.2		3.2	3	III	60 L	220 L
	2099. (2103)	Octafluorobut-2-ene	UN2422	2.2		2.2	2	X	75 kg	150 kg
	2100. (2104)	Octafluorocyclobutane (RC-318)	UN1976	2.2		2.2	2	X	75 kg	150 kg

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2101. (2105)	Octafluoropropane (R218)	UN2424	2.2		2.2	2	X	75 kg	150 kg
	2102. (2106)	Octanes	UN1262	3.2		3.2	3	II	5 L	60 L
	2103. (2285)	n-Octanoyl peroxide, <i>see</i> Di-noctanoyl peroxide, etc.								
	2104. (245)	Octyl aldehydes flammable	UN1191	3.3		3.3	3	III	60 L	220 L
	2105. (1619)	tert-Octyl hydroperoxide, <i>see</i> 1, 1, 3, 3-Tetramethyl-butyl hydroperoxide, etc.								
	2106. (1837)	tert-Octyl mercaptan	UN3023	6.1	90 100	-	6.1 3	II	p	60 L
	2107. (1359)	tert-Octyl peroxy-2- ethylhexanoate, see 1, 1, 3, 3- Tetramethylbutyl peroxy-2- ethylhexanoate, etc.								
	2108. (2108)	Octyltrichlorosilane	UN1801	8	46 56 90	8	8	II	p	30 L
	2109. (1480)	Oil gas	UN1071	2.1 6.1	46 48 56 90 99 102	2.1 2.3	2 3	X	p	150 kg

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2110. (2111)	Oleum, <i>see</i> Sulphuric acid, fuming, etc.								
	2116. (2565)	Organic phosphate, Organic phosphate compound <i>or</i> Organic phosphorus compound, mixed with compressed gas, <i>see</i> Compressed <i>or</i> liquefied gases, toxic, n.o.s.*								
	2117.	Organic phosphate, Organic phosphate compound <i>or</i> Organic phosphorus compound, liquid, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	2118.	Organic phosphate, Organic phosphate compound mixture <i>or</i> Organic phosphorus compound, solid <i>or</i> dry, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	2119.	Organic phosphate mixture, Organic phosphate compound mixture <i>or</i> Organic phosphorus compound mixture, liquid, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2120.	Organic phosphate mixture, Organic phosphate compound mixture <i>or</i> Organic phosphorus compound mixture, solid <i>or</i> dry, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	2121.	ORGANOCHLORINE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2762	3.2 6.1 9.2	46 56 109 118	3.2 6.1	3 6.1	I	P	30 L
	2122.	ORGANOCHLORINE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2762	3.2 6.1 9.2	56 109 118	3.2 6.1	3 6.1	II	1 L	60 L
	2123.	ORGANOCHLORINE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN2995	6.1 3 9.2	46 56 89 94 109 118	6.1	6.1	I	1 L	30 L
	2124.	ORGANOCHLORINE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN2995	6.1 3 9.2	56 89 109 118	6.1	6.1	II	5 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	~	~	IMO	ICAO		Passenger	
commercial		CI · · N	identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	C
chemicals	T	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuea)	2125.	ORGANOCHLORINE	UN2996	6.1	46	6.1	6.1	I	1 L	30 L
	2123.	PESTICIDES, LIQUID, TOXIC,	UN2990	9.2	56	0.1	0.1	1	I L	30 L
		N.O.S.*		7.4	94					
		14.0.5.			109					
					118					
	2126.	ORGANOCHLORINE	UN2996	6.1	56	6.1	6.1	II	5 L	60 L
	_1_0.	PESTICIDES, LIQUID, TOXIC,	01(2))0	9.2	109	0.1	0.1		V	002
		N.O.S.*			118					
	2127.	ORGANOCHLORINE	UN2996	6.1	109	6.1	6.1	III	60 L	220 L
		PESTICIDES, LIQUID, TOXIC,		9.2	118					
		N.O.S.*								
	2128.	ORGANOCHLORINE	UN2761	6.1	46	6.1	6.1	I	5 kg	50 kg
		PESTICIDES, SOLID, TOXIC,		9.2	93					
		N.O.S.*			109					
					118					
	2129.	ORGANOCHLORINE	UN2761	6.1	109	6.1	6.1	II	25 kg	100 kg
		PESTICIDES, SOLID, TOXIC,		9.2	118					
	2120	N.O.S.*	LINIOTCI	<i>C</i> 1	100	<i>C</i> 1	<i>C</i> 1	TTT	1001	200.1
	2130.	ORGANOCHLORINE	UN2761	6.1	109	6.1	6.1	III	100 kg	200 kg
		PESTICIDES, SOLID, TOXIC, N.O.S.*		9.2	118					
	2131.	ORGANOPHOSPHORUS	UN2784	3.2	46	3.2	3	I	P	30 L
	2131.	PESTICIDES, LIQUID,	UN2/04	5.2 6.1	56	5.2 6.1	6.1	1	Г	30 L
		FLAMMABLE, TOXIC,		9.2	109	0.1	0.1			
		N.O.S.*, flashpoint not less than		1.4	118					
		-18°C but less than 23°C			110					
		10 Con less mun 25 C								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2132.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2784	3.2 6.1 9.2	56 109 118	3.2 6.1	3 6.1	II	1 L	60 L
	2133.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3017	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L
	2134.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3017	6.1 3 9.2	56 89 109 118	6.1	6.1	II	5 L	60 L
	2135.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3018	6.1 9.2	46 56 94 109 118	6.1	6.1	I	1 L	30 L
	2136.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3018	6.1 9.2	56 109 118	6.1	6.1	II	5 L	60 L
	2137.	ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3018	6.1 9.2	109 118	6.1	6.1	III	60 L	220 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	$\mathbf{V}$	VI	VII	VIII	IX
Discarded			Product		~	IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	~
chemicals	<b>T</b> .	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(Continued)	2138.	ORGANOPHOSPHORUS	UN2783	6.1	46	6.1	6.1	I	5 kg	50 kg
		PESTICIDES, SOLID, TOXIC,		9.2	93				C	C
		N.O.S.*			109					
					118					
	2139.	ORGANOPHOSPHORUS	UN2783	6.1	109	6.1	6.1	II	25 kg	100 kg
		PESTICIDES, SOLID, TOXIC,		9.2	118				C	<u> </u>
		N.O.S.*								
	2140.	ORGANOPHOSPHORUS	UN2783	6.1	109	6.1	6.1	III	100 kg	200 kg
		PESTICIDES, SOLID, TOXIC,		9.2	118					
		N.O.S.*								
	2141.	ORGANOTIN COMPOUNDS,	UN2788	6.1	46	6.1	6.1	I	1 L	30 L
	(814)	N.O.S.*, liquid		9.2	94					
					109					
	2142.	ORGANOTIN COMPOUNDS,	UN2788	6.1	109	6.1	6.1	II	5 L	60 L
	(815)	N.O.S.*, liquid		9.2						
	2143.	ORGANOTIN COMPOUNDS,	UN2788	6.1	109	6.1	6.1	III	60 L	220 L
	(816)	N.O.S.*, liquid		9.2						
	2144.	ORGANOTIN COMPOUNDS,	UN2788	6.1	46	6.1	6.1	I	5 kg	50 kg
	(817)	N.O.S.*, solid		9.2	93					
					109					
	2145.	ORGANOTIN COMPOUNDS,	UN2788	6.1	109	6.1	6.1	II	25 kg	100 kg
	(819)	N.O.S.*, solid		9.2						
	2146.	ORGANOTIN COMPOUNDS,	UN2788	6.1	109	6.1	6.1	III	100 kg	200 kg
		N.O.S.*, solid		9.2						

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		COL	COL	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Table 4a		1	II Product	111	1 V	v IMO	ICAO	VII	v III Passenger	IX
Discarded			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	Ittili	and Description	Tumber	tion	510115	tion	tion	Group	Venicies	mician
(2147.	ORGANOTIN PESTICIDES,	UN2787	3.2	46	3.2	3	I	P	30 L
	21 . / .	LIQUID, FLAMMABLE,	01(2/0/	6.1	56	6.1	6.1	•	-	202
		TOXIC, N.O.S.*, flashpoint not		9.2	109	0.1	0.1			
		less than -18°C but less than		<i>,</i>	10)					
		23°C								
	2148.	ORGANOTIN PESTICIDES,	UN2787	3.2	56	3.2	3	II	1 L	60 L
		LIQUID, FLAMMABLE,		6.1	109	6.1	6.1			
		TOXIC, N.O.S.*, flashpoint not		9.2						
		less than -18°C but less than								
		23°C								
	2149.	ORGANOTIN PESTICIDES,	UN3019	6.1	46	6.1	6.1	I	1 L	30 L
		LIQUID, TOXIC,		3	56	3	3			
		FLAMMABLE, N.O.S.*,		9.2	89					
		flashpoint not less than $23^{\circ}C$			94					
					109					
	2150.	ORGANOTIN PESTICIDES,	UN3019	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC,		3	89	3	3			
		FLAMMABLE, N.O.S.*		9.2	109					
		flashpoint not less than 23°C								
	2151.	ORGANOTIN PESTICIDES,	UN3020	6.1	46	6.1	6.1	I	1 L	30 L
		LIQUID, TOXIC, N.O.S.*		9.2	56					
					94					
					109					
	2152.	ORGANOTIN PESTICIDES,	UN3020	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC, N.O.S.*		9.2	109					
	2153.	ORGANOTIN PESTICIDES,	UN3020	6.1	109	6.1	6.1	III	60 L	220 L
		LIQUID, TOXIC, N.O.S.*		9.2						

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		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	CI.	C . 1	IMO	ICAO	ъ .	Passenger	
commercial		Shipping Name	identi- fication	Class- ifica-	Special Provi-	Class- ifica-	Class- ifica-	Pack-	Aircraft &	Canaa
chemicals	Item	and Description	Number	tion	sions	tion	tion	ing Group	Passenger Vehicles	Cargo Aircraft
(continued)	Item	and Description	Number	uon	510115	tion	uon	Group	venicies	Ancian
,	2154.	ORGANOTIN PESTICIDES,	UN2786	6.1	46	6.1	6.1	I	5 kg	50 kg
		SOLID, TOXIC, N.O.S.*		9.2	93				C	C
					109					
	2155.	ORGANOTIN PESTICIDES,	UN2786	6.1	109	6.1	6.1	II	25 kg	100 kg
		SOLID, TOXIC, N.O.S.*		9.2						
	2156.	ORGANOTIN PESTICIDES,	UN2786	6.1	109	6.1	6.1	III	100 kg	200 kg
		SOLID, TOXIC, N.O.S.*		9.2						
	2158.	Oxalates, water soluble	UN2449	6.1	109	6.1	6.1	III	100 kg	200 kg
	(2121)			9.2						
	2159.	Oxidizer, liquid, corrosive,	NA9193	5.1	40	-	-	II	-	-
	(1800)	n.o.s.*		8	46					
	2160.	Oxidizer, liquid, poisonous,	NA9199	5.1	40	-	-	II	-	-
	(1801)	n.o.s.*		6.1	46					
					48					
	2161.	Oxidizer, solid, corrosive, n.o.s.*	NA9194	5.1	40	-	-	II	-	-
	(1802)			8						
	2162.	Oxidizer, solid, poisonous,	NA9200	5.1	40	-	-	II	-	-
	(1803)	n.o.s.*		6.1	10					
	2163.	Oxidizing substances, n.o.s.*,	UN1479	5.1	48	5.1	5.1	II	1 L	5 L
	(1798)	liquid		9.2	89					
	21.51	0.111	IDI1 150		109		- 1	***		
	2164.	Oxidizing substances, n.o.s.*,	UN1479	5.1	89	5.1	5.1	II	5 kg	25 kg
	(1799)	solid	IDM11072	9.2	109	2.2	2	77	75.1	1501
	2165.	Oxygen, compressed or Oxygen	UN1072	2.2	100	2.2	2	X	75 kg	150 kg
	(2147)			5.1		5.1	5.1			

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2166. (2148)	Oxygen, refrigerated liquid <i>or</i> Oxygen, pressurized liquid	UN1073	2.2 5.1	46 56 88 100 102	2.2 5.1	2 5.1	X	p	p
	2167. (2149)	Oxygen-carbon dioxide mixtures, <i>see</i> Carbon dioxide <i>and</i> oxygen mixtures								
	2168. (2150)	Oxygen <i>and</i> rare gases mixtures, see Rare gases and oxygen mixtures								
	2170. (2163)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), flashpoint not less than -18°C but less than 23°C	UN1263	3.2	100 108	3.2	3	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2171. (2164)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), flashpoint not less than -18°C but less than 23°C	UN1263	3.2	100 108	3.2	3	III	60 L	220 L
	2172. (2165)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), flashpoint not less than 23°C	UN1263	3.3	100 108	3.3	3	II	5 L	60 L
	2173. (2166)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), flashpoint not less than 23°C	UN1263	3.3	100 108	3.3	3	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2174. (2167)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) <i>or</i> PAINT RELATED MATERIAL (including paint thinning <i>or</i> reducing compound)	UN3066	8	100 108	-	8	П	1 L	30 L
	2175. (2168)	PAINT (including paint, lacquer, enamel, stain shellac, varnish, polish, liquid filler and liquid lacquer base) <i>or</i> PAINT RELATED MATERIAL (including paint thinning <i>or</i> reducing compound)	UN3066	8	100 108	-	8	III	5 L	60 L
	2177. (2155)	Paraformaldehyde	UN2213	4.1 9.2	44 109	4.1	4.1	III	25 kg	100 kg
	2178. (2156)	Paraldehyde	UN1264	3.3		3.3	3	III	60 L	220 L
	2179.	Parathion(s) <i>and</i> compressed gas mixture, <i>see</i> Insecticide gases, toxic, n.o.s.*								
	2180.	Parathion(s) liquid <i>or</i> Parathion(s) mixture(s), liquid, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	Class-	Cmanial	IMO Class-	ICAO Class-	Pack-	Passenger Aircraft &	
commercial		Shipping Name	identi- fication	Class- ifica-	Special Provi-	Ciass- ifica-	Class- ifica-	rack- ing	Aircrait & Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	Ittili	and Description	Tumber	tion	510115	tion	tion	Group	Venicles	Aniciait
	2181.	Parathion(s) mixture(s), dry see								
		ORGANOPHOSPHORUS								
		PESTICIDES, etc.								
	2182.	PCB, see Polychlorinated								
	(2162)	biphenyls, etc.								
	2183.	Pelargonyl peroxide, see								
	(2286)	Di-n-nonanoyl peroxide, etc.								
	2184.	Pentaborane	UN1380	4.2	46	4.2	4.2	I	p	p
	(2169)			6.1	48	6.1	6.1			
					56					
					99					
					102					
	2185.	Pentachloroethane (R120)	UN1669	6.1		6.1	6.1	II	5 L	60 L
	(2171)									
	2186.	Pentachlorophenol, see								
	(2173)	Chlorophenols, solid	ID10006	2.2		2.2		TTT	60 I	220.1
	2188.	Pentamethylheptane	UN2286	3.3		3.3	3	III	60 L	220 L
	(2183) 2189.	Donton 2 4 diana	UN2310	3.3		3.3	3	III	60 L	220.1
	(2185)	Pentan-2, 4-dione	UN2310	3.3		3.3	3	Ш	60 L	220 L
	2190.	n-Pentane <i>or</i> Pentane	UN1265	3.1	56	3.1	3	I	1 L	30 L
	(2184)	n-i citalic or i citalic	0111203	3.1	99	3.1	3	1	1 L	30 L
	(2104)				110					
	2192.	3-Pentanol, see AMYL			110					
	(2188)	ALCOHOLS								
	2193.	1-Pentol	UN2705	8		8	8	II	1 L	30 L
	(2190)		31,2,30	-		J	3		- -	
	\/									

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2194.	Peracetic acid, <i>see</i> Peroxyacetic acid, etc.								
	2195. (2212)	Perchlorates, inorganic, n.o.s.*	UN1481	5.1	46 102	5.1	5.1	П	5kg	25 kg
	2196. (130)	Perchloric acid, more than 50 percent but not more than 72 percent acid, by mass	UN1873	5.1	36 46 48 56 78 99 102	5.1 8	5.1	I	p	2.5 L
	2197. (129)	Perchloric acid, not more than 50 percent acid, by mass	UN1802	8 5.1	56 78 90 102	8 5.1	8 5.1	П	p	30 L
	2198. (2213)	Perchloroethylene, <i>see</i> Tetrachloroethylene, etc.								
	2199. (1841)	Perchloromethyl Mercaptan	UN1670	6.1	46 56 90 94 99 102 118	6.1	6.1	I	p	30 L

2201. Perfluoro-2-butene, *see* (2214) Octafluorobut-2-ene, etc.

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2202. (2629)	PERFUMERY PRODUCTS, with solvents having a flashpoint not less than -18°C but less than 23°C	UN1266	3.2	89	3.2	3	II	15 L	60 L
	2203. (2630)	PERFUMERY PRODUCTS, with solvents having a flashpoint not less than 23°C	UN1266	3.3	89	3.3	3	III	60 L	220 L
	2204. (2221)	Permanganates, inorganic, n.o.s.*	UN1482	5.1	99	5.1	5.1	II	5 kg	25 kg
	2205. (2308)	Peroxides, inorganic, n.o.s.*	UN1483	5.1		5.1	5.1	II	5 kg	25 kg
	2206.	Peroxyacetic acid, not more than	UN2131	5.2	46	5.2	5.2	I	p	p
	(132)	43 percent in a mixture with at		8	48	8	8		-	-
		least 5 percent water, at least 35		I	83	I				
		percent acetic acid, not more			99					
		than 6 percent hydrogen peroxide, with stabilizer								
	2207.	Peroxyacetic acid, not more than	UN3045	5.2	46	-	5.2	I	1 L	5 L
	(131)	16 percent in a mixture with at		8	48	8				
		least 39 percent water, at least		I	83	I				
		15 percent acetic acid, not more than 24 percent hydrogen peroxide, with stabilizer			100					

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	2208.	PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN3021	3.2 6.1 9.2	46 56 109 118	3.2 6.1	3 6.1	I	P	30 L
	2209.	PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN3021	3.2 6.1 9.2	56 109 118	3.2 6.1	3 6.1	II	1 L	60 L
	2210.	PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN2903	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L
	2211.	PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN2903	6.1 3 9.2	56 89 109 118	6.1	6.1	II	5 L	60 L
	2212.	PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2902	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L
	2213.	PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2902	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L
	2214.	PESTICIDES, LIQUID,	UN2902 TOXIC, N.O.S.*	6.1 9.2	109	6.1	6.1	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(20000000)	2215.	PESTICIDES, SOLID,	UN2588 TOXIC, N.O.S.*	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg
	2216.	PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2588	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	2217.	PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2588	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2218.	Petrol, <i>see</i> Gasoline, etc.								
	2224. (2531)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint less than - 18°C	UN1268	3.1	46	-	3	I	1 L	30 L
	2225. (2532)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint less than - 18°C	UN1268	3.1	99	3.1	3	II	5 L	60 L
	2226. (2533)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint less than - 18°C	UN1268	3.1		-	3	III	60 L	220 L
	2227. (2534)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint less less than -18°C but less than 23°C	UN1268	3.2	46	-	3	I	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commucu)	2228. (2535)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN1268	3.2		3.2	3	II	5 L	60 L
	2229. (2536)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN1268	3.2		-	3	III	60 L	220 L
	2230. (2537)	PETROLEUM DISTILLATES, N.O.S.*, flashpoint not less than 23°C	UN1268	3.3	46 89	-	3	I	1 L	30 L
	2231. (2538) 2232.	PETROLEUM DISTILLATES, N.O.S.*, flashpoint not less than 23°C Petroleum ether, see	UN1268	3.3	89	3.3	3	III	60 L	220 L
	(1321) 2233. (1481)	PETROLEUM SPIRIT, etc. Petroleum gases, liquefied, n.o.s. or Liquefied petroleum gas	UN1075	2.1	56 90 102	2.1	2 3	X	p	150 kg
	2234. (1296)	Petroleum naphtha, see NAPHTHA, PETROLEUM								

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(Commuca)	2235. (1583)	PETROLEUM OIL, flashpoint less than -18°C	UN1270	3.1	99	3.1	3	II	5 L	60 L
	2236. (1584)	PETROLEUM OIL, flashpoint less than -18°C	UN1270	3.1		-	3	III	60 L	220 L
	2237. (1585)	PETROLEUM OIL, flashpoint not less than -18°C but less than 23°C	UN1270	3.2		3.2	3	II	5 L	60 L
	2238. (1586)	PETROLEUM OIL, flashpoint not less than -18°C but less than 23°C	UN1270	3.2		-	3	III	60 L	220 L
	2239. (1587)	PETROLEUM OIL, flashpoint not less than 23°C	UN1270	3.3	89	3.3	3	III	60 L	220 L
	2240. (1297)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.1	46	-	3	I	1 L	30 L
	2241. (1298)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.1	99	3.1	3	II	5 L	60 L
	2242. (1299)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.2	46	-	3	I	1 L	30 L
	2243. (1300)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.2		3.2	3	II	5 L	60 L
	2244. (1301)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.3	46	-	3	I	1 L	30 L
	2245. (1302)	PETROLEUM SPIRIT <i>or</i> PETROLEUM ETHER	UN1271	3.3	89	3.3	3	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2246. (497)	Phenacyl bromide	UN2645	6.1		6.1	6.1	II	25 kg	100 kg
	2247.	Phencapton <i>or</i> Phenkapton, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	2248. (2541)	Phenetidines	UN2311	6.1		6.1	6.1	III	60 L	220 L
	2249. (2542)	Phenol, molten	UN2312	6.1 9.2	46 56 102 109	6.1	6.1	II	p	р
	2250. (2543)	Phenol, solid <i>or</i> Phenol	UN1671	6.1 9.2	102 109 110	6.1	6.1	II	25 kg	100 kg
	2251. (2544)	Phenol solutions	UN2821	6.1 9.2	89 109	6.1	6.1	II	5 L	60 L
	2252. (133)	Phenolsulphonic acid, liquid	UN1803	8		8	8	II	1 L	30 L
	2253.	PHENOXY PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint less than 23°C	UN2766	3.2 6.1 9.2	46 56 94 109	3.2 6.1	3 6.1	I	P	30 L
	2254.	PHENOXY PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint less than 23°C	UN2766	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	II	1 L	60 L

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	V	VI	VII	VIII	IX
Discarded			Product	~	~ • •	IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
chemicals	.	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	2255.	PHENOXY PESTICIDES,	UN2999	6.1	46	6.1	6.1	I	1 L	30 L
		LIQUID, TOXIC,		3	56	3	3			
		FLAMMABLE, N.O.S.*		9.2	89					
		flashpoint not less than 23°C			94					
					109					
	2256.	PHENOXY PESTICIDES,	UN2999	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC,		3	89	3	3			
		FLAMMABLE, N.O.S.*,			109					
		flashpoint not less than 23°C								
	2257.	PHENOXY PESTICIDES,	UN3000	6.1	46	6.1	6.1	I	1 L	30 L
		LIQUID, TOXIC, N.O.S.*		9.2	56					
					94					
					109					
	2258.	PHENOXY PESTICIDES,	UN3000	6.1	56	6.1	6.1	II	5 L	60 L
		LIQUID, TOXIC, N.O.S.*		9.2	109					
	2259.	PHENOXY PESTICIDES,	UN3000	6.1	109	6.1	6.1	III	60 L	220 L
		LIQUID, TOXIC, N.O.S.*		9.2						
	2260.	PHENOXY PESTICIDES,	UN2765	6.1	46	6.1	6.1	I	5 kg	50 kg
		SOLID, TOXIC, N.O.S.*		9.2	93					
					109					
	2261.	PHENOXY PESTICIDES,	UN2765	6.1	109	6.1	6.1	II	25 kg	100 kg
		SOLID, TOXIC, N.O.S.*		9.2					_	_
	2262.	PHENOXY PESTICIDES,	UN2765	6.1	109	6.1	6.1	III	100 kg	200 kg
		SOLID, TOXIC, N.O.S.*		9.2						
	2263.	Phenylacetonitrile, liquid	UN2470	6.1		6.1	6.1	III	60 L	220 L
	(2547)									

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(======================================	2264.	Phenylacetyl chloride	UN2577	8		8	8	II	1 L	30 L
	(756) 2265. (757)	Phenylcarbylamine chloride	UN1672	6.1	46 99 102	6.1	6.1	I	p	p
	2266.	Phenylchloroformate	UN2746	6.1	102	6.1	6.1	II	1 L	30 L
	(666)			8		8	8			
	2268. (2549)	Phenylenediamines, ortho, meta <i>or</i> para, solid	UN1673	6.1		6.1	6.1	III	100 kg	200 kg
	2270. (2550)	Phenylhydrazine	UN2572	6.1	102	6.1	6.1	II	5 L	60 L
	2271. (1706)	Phenyl isocyanate	UN2487	6.1	99	6.1	6.1	II	5 L	60 L
	2272.	Phenyl mercaptan	UN2337	6.1	46	6.1	6.1	II	5 L	60 L
	(1842)	1 many 1 maraupum	01,200,	3	89	3	3		0 2	002
	2273. (32)	Phenylmercuric acetate	UN1674	6.1		6.1	6.1	II	25 kg	100 kg
	2274. (2551)	PHENYLMERCURIC COMPOUNDS, N.O.S.*	UN2026	6.1	46 93 102	6.1	6.1	I	5 kg	50 kg
	2275. (2552)	PHENYLMERCURIC COMPOUNDS, N.O.S.*	UN2026	6.1	102	6.1	6.1	II	25 kg	100 kg
	2276. (2553)	PHENYLMERCURIC COMPOUNDS, N.O.S.*	UN2026	6.1		6.1	6.1	III	100 kg	200 kg
	2277. (1643)	Phenylmercuric hydroxide	UN1894	6.1	118	6.1	6.1	II	25 kg	100 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2278. (2043)	Phenylmercuric nitrate	UN1895	6.1	118	6.1	6.1	II	25 kg	100 kg
	2279. (1076)	Phenyl phosphorus dichloride <i>or</i> Benzene phosphorus dichloride	UN2798	8	46 90	8	8	II	p	30 L
	2280. (2912)	Phenyl phosphorus thiodichloride <i>or</i> Benzene phosphorus thiodichloride	UN2799	8	46 90	8	8	II	p	30 L
	2281. (2554)	Phenyltrichlorosilane	UN1804	8	46 56 90	8	8	II	р	30 L
	2282.	PHENYL UREA PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2768	3.2 6.1 9.2	46 56 109	3.2 6.1	3 6.1	I	P	30 L
	2283.	PHENYL UREA PESTICIDES, LIQUID,FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2768	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	П	1 L	60 L
	2284.	PHENYL UREA PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3001	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2285.	PHENYL UREA PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3001	6.1 3 9.2	56 89 109	6.1	6.1	II	5 L	60 L
	2286.	PHENYL UREA PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3002	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L
	2287.	PHENYL UREA PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3002	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L
	2288.	PHENYL UREA TOXIC, PESTICIDES, LIQUID, N.O.S.*	UN3002	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	2289.	PHENYL UREA PESTICIDES, SOLID,TOXIC, N.O.S.*	UN2767	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg
	2290.	PHENYL UREA PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2767	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	2291.	PHENYL UREA PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2767	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2293. (2557)	9-Phosphabi-cyclononanes <i>or</i> Cyclooctadiene phosphines	UN2940	4.2	48	4.2 56	4.2	П	15 kg	50 kg

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
,	2295. (134)	Phosphoric acid, liquid	UN1805	8 9.2	109	8	8	III	5 L	60 L
	2296. (135)	Phosphoric acid, solid	UN1805	8 9.2	109	8	-	III	-	-
	2297. (127)	Phosphorous acid, ortho	UN2834	8	56	8	8	III	25 kg	100 kg
	2299. (2577)	Phosphorus, amorphous <i>or</i> Phosphorus, amorphous, red	UN1338	4.1 9.2	46 48 56 109	4.1	4.1	III	25 kg	100 kg
	2300. (310)	Phosphorus anhydride, <i>see</i> Phosphorus pentoxide, etc.								
	2301. (1532)	Phosphorus heptasulphide, free from yellow and white phosphorus	UN1339	4.1	46 48 56 83	4.1	4.1	II	15 kg	50 kg
	2302. (2122)	Phosphorus oxybromide	UN1939	8	46 56 90	8	8	II	p	50 kg
	2303. (2123)	Phosphorus oxybromide, molten	UN2576	8	46 56	8	8	II	p	p
	2304. (2124)	Phosphorus oxychloride	UN1810	8 9.2	46 56 90 109	8	8	II	p	30 L

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	2305. (2170)	Phosphorus pentabromide	UN2691	8	46 56 90	8	8	II	p	50 kg
	2306. (2177)	Phosphorus pentachloride	UN1806	8	46 48 56 90	8	8	II	p	50 kg
	2307. (2182)	Phosphorus pentafluoride	UN2198	2.3	46 48 56 88 99 102	2.3 6.1	2	X	p	p
	2308. (2189)	Phosphorus Pentasulphide, free from yellow and white phosphorus	UN1340	4.1 9.2	46 56 83 109	4.1	4.1	II	15 kg	50 kg
	2309. (2192)	Phosphorus pentoxide <i>or</i> Phosphorus anhydride	UN1807	8	46 48 56	8	8	II	15 kg	50 kg
	2310. (2733)	Phosphorus sesquisulphide, free from yellow and white phosphorus	UN1341	4.1	46 56 83	4.1	4.1	II	15 kg	50 kg
	2311. (2944)	Phosphorus tribromide	UN1808	8	46 56 90	8	8	II	p	30 L

Table 4a		COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial		Shipping Name	Product identification	Class-	Special Provi-	IMO Class- ifica-	ICAO Class- ifica-	Pack-	Passenger Aircraft & Passenger	Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	2312.	Phosphorus trichloride	UN1809	8	46	8	8	II	p	30 L
	(2959)			9.2	56					
					90					
			TD 14 - = 0		109					1001
	2314. (3027)	Phosphorus trioxide	UN2578	8	46	8	8	III	25 kg	100 kg
	2315.	Phosphorus trisulphide, free	UN1343	4.1	46	4.1	4.1	II	15 kg	50 kg
	(3038)	from yellow and white			48					
		phosphorus			56					
					83					
	2316.	Phosphorus white, molten	UN2447	4.2	46	4.2	4.2	I	p	p
	(2578)			6.1	56	6.1	6.1			
				9.2	99					
					109					
	2317.	Phosphorus, white <i>or</i> yellow, dry	UN1381	4.2	118 46	4.2	4.2	I		
	(2579)	or under water or in solution	UN1361	4.2 6.1	46 56	4.2 6.1	4.2	1	p	p
	(2319)	or under water of ill solution		9.2	99	0.1				
				9.2	102					
					102					
					118					
	2318.	Phthalic anhydride, solid <i>or</i>	UN2214	8	44	8	8	III	25 kg	100 kg
	(311)	molten, with more than 0.05 percent of maleic anhydride		-	110	-	-		· - 0	

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2319.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2774	3.2 6.1 9.2	46 56 109	3.2 6.1	3 6.1	I	P	30 L
	2320.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2774	3.2 6.1 9.2	56 109	3.2 6.1	3.2 6.1	II	1 L	60 L
	2321.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.* flashpoint not less than 23°C	UN3007	6.1	46 56 89 92 94 109	6.1	6.1	I	1 L	30 L
	2322.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.* flashpoint not less than 23°C	UN3007	6.1 3 9.2	56 89 109	6.1	6.1	II	5 L	60 L
	2323.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3008	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L

Table 4a Discarded commercial		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2324.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3008	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L
	2325.	PHTHALIMIDE DERIVATIVE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3008	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	2326.	PHTHALIMIDE DERIATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2773	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg
	2327.	PHTHALIMIDE DERIVATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2773	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	2328.	PHTHALIMIDE DERIATIVE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2773	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2329. (2591)	Picolines	UN2313	3.3		3.3	3	II	5 L	60 L
	2330. (136) 2331.	Picric acid, wetted, <i>see</i> Trinitrophenol, wetted, etc. Picrite, wetted, <i>see</i>								
	(2600)	Nitroguanidine, (picrite) wetted, etc.								

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(communes)	2332. (1620)	Pinanyl hydroperoxide or Pinane hydroperoxide technically pure or not more than 45 percent peroxide	UN2162	5.2 I	46 56 63 83 99	5.2 I	5.2	I	1 L	5 L
	2333. (2601)	Pindone, liquid	UN2472	6.1		6.1	6.1	III	60 L	220 L
	2334. (2602)	Pindone, solid	UN2472	6.1		6.1	6.1	III	100 kg	200 kg
	2335. (2603)	alpha-Pinene or Pinene	UN2368	3.3		3.3	3	III	60 L	220 L
	2336. (2604)	Pine oil	UN1272	3.3		3.3	3	III	60 L	220 L
	2337. (2605)	Piperazine	UN2579	8		8	8	III	25 kg	100 kg
	2338. (2606)	Piperidine	UN2401	3.2		3.2	3	II	5 L	60 L
	2340. (2022)	Plutonium nitrate, solution	NA9185	7	40 115	-	-	-		
	2341. (1778)	POISONOUS LIQUIDS, CORROSIVE, N.O.S.*	UN2927	6.1	46 56 94 117	6.1	6.1 8	I	0.5 L	2.5 L
	2342. (1779)	POISONOUS LIQUIDS, CORROSIVE, N.O.S.*	UN2927	6.1 8	56	6.1 8	6.1 8	II	1 L	30 L

		COL	\mathbf{COL}	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
chemicals		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)										
	2343.	POISONOUS LIQUIDS,	UN2929	6.1	46	6.1	6.1	I	1 L	30 L
	(1780)	FLAMMABLE, N.O.S.*		3	94	3	3			
					117					
	2344.	POISONOUS LIQUIDS,	UN2929	6.1		6.1	6.1	II	5 L	60 L
	(1781)	FLAMMABLE, N.O.S.*		3		3	3			
	2345.	POISONOUS LIQUIDS,	UN2810	6.1	46	6.1	6.1	I	1 L	30 L
	(1775)	N.O.S.*		9.2	94					
					102					
					109					
					117					
	2346.	POISONOUS LIQUIDS,	UN2810	6.1	102	6.1	6.1	II	5 L	60 L
	(1776)	N.O.S.*		9.2	109					
	2347.	POISONOUS LIQUIDS,	UN2810	6.1	109	6.1	6.1	III	60 L	220 L
	(1777)	N.O.S.*		9.2						
	2348.	POISONOUS SOLIDS,	UN2928	6.1	46	6.1	6.1	I	1 kg	25 kg
	(2771)	CORROSIVE, N.O.S.*		8	93	8	8			
				9.2	109					
	2349.	POISONOUS SOLIDS,	UN2928	6.1	109	6.1	6.1	II	15 kg	50 kg
	(2772)	CORROSIVE, N.O.S.*		8		8	8			
				9.2						
	2350.	POISONOUS SOLIDS,	UN2930	6.1	46	6.1	6.1	I	1 kg	15 kg
	(2773)	FLAMMABLE, N.O.S.*		4.1	93	4.1	4.1			
				9.2	109					
	2351.	POISONOUS SOLIDS,	UN2930	6.1	109	6.1	6.1	II	15 kg	50 kg
	(2774)	FLAMMABLE, N.O.S.*		4.1		4.1	4.1			
				9.2						

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(**************************************	2352. (2768)	POISONOUS SOLIDS, N.O.S.*	UN2811	6.1 9.2	46 93 102 109	6.1	6.1	I	5 kg	50 kg
	2353. (2769)	POISONOUS SOLIDS, N.O.S.*	UN2811	6.1 9.2	109	6.1	6.1	П	25 kg	100 kg
	2354. (2770)	POISONOUS SOLIDS, N.O.S.*	UN2811	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2355. (2610)	Polyalkylamines, n.o.s., see ALKYLAMINES, N.O.S.*, etc.								
	2356. (1234)	Polychlorinated biphenyls <i>or</i> articles containing Polychlorinated biphenyls (PCB)	UN2315	9.1 9.2	46 118	9	9	II	100 L	220 L
	2357. (1974)	Polyester resin kits		5.2	106	-	5.2	X	5 kg	5 kg
	2358. (2792)	Polymerizable material, stabilized with dry ice		9.1	107	-	-	X	-	-
	2359. (2611)	Polystyrene beads, expandable, evolving flammable vapour	UN2211	9.1	44	9	9	III	100 kg	200 kg
	2360. (2618)	Potassium or Potassium, metal	UN2257	4.3	46 56 90 99 102	4.3	4.3	П	p	50 kg

		COL	COL	COL	\mathbf{COL}	COL	COL	COL	COL†	COL†
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)										
	2361.	Potassium arsenate	UN1677	6.1	109	6.1	6.1	II	25 kg	100 kg
	(336)			9.2	118					
	2362.	Potassium arsenite	UN1678	6.1	109	6.1	6.1	II	25 kg	100 kg
	(355)			9.2	118					
	2363.	Potassium azide	NA9056	6.1	40	-	-	II	-	-
	(389)				48					
	2364.	Potassium bifluoride, solid	UN1811	8		8	8	II	15 kg	50 kg
	(422)			6.1		6.1	6.1			
	2365.	Potassium bifluoride, solution	UN1811	8		8	8	II	1 L	30 L
	(421)			6.1		6.1	6.1			
	2366.	Potassium borohydride	UN1870	4.3	46	4.3	4.3	I	p	15 kg
	(444)				48					
					99					
	2367.	Potassium bromate	UN1484	5.1		5.1	5.1	II	5 kg	25 kg
	(455)									
	2369.	Potassium chlorate	UN1485	5.1		5.1	5.1	II	5 kg	25 kg
	(616)									
	2370.	Potassium chlorate, solution	UN2427	5.1	56	5.1	5.1	II	1 L	5 L
	(617)									
	2371.	Potassium chromate (RL-50)	NA9142	9.2	49	-	-	III	-	-
	(789)									
	2372.	Potassium cuprocyanide	UN1679	6.1		6.1	6.1	II	25 kg	100 kg
	(833)									

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(сониниеи)	2375. (2937)	Potassium dichloro-s- triazinetrione, dry, <i>see</i> Dichloroisocyanuric acid, dry, etc.								
	2376. (1095)	Potassium dichromate, <i>see</i> Oxidizing substances, n.o.s.* etc.								
	2377. (1253)	Potassium dithionite <i>or</i> Potassium hydrosulphite	UN1929	4.2	48 99	4.2	4.2	II	15 kg	50 kg
	2378. (1436)	Potassium fluoride, solid	UN1812	6.1		6.1	6.1	III	100 kg	200 kg
	2379. (1435)	Potassium fluoride, solution	UN1812	6.1		6.1	-	III	-	-
	2380. (1407)	Potassium fluoroacetate	UN2628	6.1	56 99 110	6.1	6.1	I	5 kg	50 kg
	2382. (1604)	Potassium hydrogen sulphate	UN2509	8	46 56	8	8	II	15 kg	50 kg
	2383.	Potassium hydrosulphite, <i>see</i> Potassium dithionite, etc.								
	2384. (1637)	Potassium hydroxide, solid <i>or</i> flake or Caustic potash, solid or flake	UN1813	8 9.2	109	8	8	II	15 kg	50 kg
	2385. (1636)	Potassium hydroxide, solution <i>or</i> Caustic potash, solution	UN1814	8 9.2	109	8	8	П	1 L	30 L

Table 4a	•	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2386. (1856)	Potassium metabisulphite, <i>see</i> CORROSIVE SOLIDS, N.O.S.*								
	2387. (2615)	Potassium, metal alloys <i>or</i> Potassium, metal liquid alloy	UN1420	4.3	46 56 90 99	4.3	4.3	П	p	50 kg
	2388. (1873)	Potassium metavanadate	UN2864	6.1		6.1	6.1	II	25 kg	100 kg
	2389. (1950)	Potassium monoxide <i>or</i> Potassium oxide	UN2033	8	46	8	8	II	15 kg	50 kg
	2390. (2024)	Potassium nitrate	UN1486	5.1	110	5.1	5.1	III	25 kg	100 kg
	2391. (2026)	Potassium nitrate <i>and</i> sodium nitrate mixtures, <i>see</i> Sodium nitrate <i>and</i> potassium nitrate mixtures								
	2392. (2025)	Potassium nitrate <i>and</i> sodium nitrite mixtures	UN1487	5.1 9.2	46 109	5.1	5.1	II	5 kg	25 kg
	2393. (2054)	Potassium nitrite	UN1488	5.1	46	5.1	5.1	II	5 kg	25 kg
	2394. (2138)	Potassium oxide, <i>see</i> Potassium monoxide, etc.								
	2395. (2205)	Potassium perchlorate	UN1489	5.1	46	5.1	5.1	II	5 kg	25 kg

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	2396. (2218)	Potassium permanganate	UN1490	5.1 9.2	99 109 110	5.1	5.1	II	5 kg	25 kg
	2397. (2289)	Potassium peroxide	UN1491	5.1	46 48 56 90	5.1	5.1	I	p	15 kg
	2398. (2353)	Potassium persulphate	UN1492	5.1		5.1	5.1	III	25 kg	100 kg
	2399. (2585)	Potassium phosphide	UN2012	4.3 6.1	46 48 99	4.3 6.1	4.3 6.1	I	p	15 kg
	2400. (2617)	Potassium sodium alloys	UN1422	4.3 9.2	46 56 99 109	4.3	4.3	I	p	15 kg
	2401. (2836)	Potassium sulphide, anhydrous or Potassium sulphide, with less than 30 percent water of crystallization	UN1382	4.2	46 48	4.2	4.2	II	15 kg	50 kg
	2402. (2837)	Potassium sulphide, hydrated, with not less than 30 percent water of crystallization	UN1847	8	48	8	8	II	15 kg	50 kg
	2403. (2840)	Potassium superoxide	UN2466	5.1	46 48 90	5.1	5.1	I	p	15 kg

Table 4a Discarded commercial chemicals		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commucu)	2404. (2631)	Propadiene, inhibited	UN2200	2.1	48 84 90 99	2.1	2 3	X	p	150 kg
					102					
	2405. (2632)	Propane	UN1978	2.1	56 90 102	2.1	2 3	X	p	150 kg
	2406. (2633)	Propanethiols	UN2402	3.1	56 62 99 110	3.1	3	II	5 L	60 L
	2407. (2634)	n-Propanol <i>or</i> normal Propyl alcohol	UN1274	3.2	110	3.2	3	II	5 L	60 L
	2408.	Propargite, see PHENOXY PESTICIDES, etc.								
	2409. (214)	Propargyl alcohol, see ALCOHOLS, TOXIC, N.O.S.*								
	2410. (235)	PROPIONALDEHYDE	UN1275	3.1	99	3.1	3	II	5 L	60 L
	2411. (236)	PROPIONALDEHYDE	UN1275	3.2		3.2	3	II	5 L	60 L
	2412. (138)	Propionic acid	UN1848	8 9.2	109	8 3	8	III	5 L	60 L
	2413. (312)	Propionic anhydride	UN2496	8 9.2	109	8	8	III	5 L	60 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(commucu)	2414. (2641)	Propionitrile	UN2404	3.2 6.1	90 99	3.2 6.1	3 6.1	II	p	60 L
	2415. (759)	Propionyl chloride	UN1815	3.2 8		3.2 8	3 8	II	1 L	5 L
	2416. (2290)	Propionyl peroxide, <i>see</i> Dipropionyl peroxide, etc.								
	2417. (27)	n-Propyl acetate <i>or</i> Propyl acetate	UN1276	3.2		3.2	3	II	5 L	60 L
	2418. (215)	Propyl alcohol, normal, <i>see</i> n-Propanol, etc.								
	2419. (2642)	Propylamine	UN1277	3.1	56 99 110	3.1	3	II	5 L	60 L
	2420. (2643)	n-Propyl benzene	UN2364	3.3	89	3.3	3	III	60 L	220 L
	2421. (760)	Propyl chloride	UN1278	3.1	46 56 90 99	3.1	3	II	p	60 L
	2422. (667)	n-Propyl chloroformate	UN2740	6.1 3 8	46	6.1 3 8	6.1 3 8	I	p	2.5 L
	2423. (2644)	Propylene	UN1077	2.1	56 90 102	2.1	2 3	X	p	150 kg

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II	Ш	IV	V	VI	VII	VIII	IX
Discarded			Product	CI	G • 1	IMO	ICAO	n ı	Passenger	
commercial		Chinning Name	identi- fication	Class- ifica-	Special Provi-	Class-	Class-	Pack-	Aircraft &	Cours
chemicals	Item	Shipping Name and Description	Number	tion	rrovi- sions	ifica- tion	ifica- tion	ing	Passenger Vehicles	Cargo Aircraft
(continued)	item	and Description	Number	uon	SIOIIS	uon	uon	Group	venicies	Aircrait
(commuca)	2424.	Propylene chlorohydrin	UN2611	6.1		6.1	6.1	II	5 L	60 L
	(631)	Tropyrene emoronyurm	0112011	0.1		3	0.1	11	JL	00 L
	2425.	1, 2-PROPYLENEDIAMINE	UN2258	3.2		3.2	8	II	1 L	30L
	2.20.	1, 2 11(01 1221 (2231 11/11) (2	01(2200	8		8	Ü		1 2	202
	2426.	1, 2-PROPYLENEDIAMINE	UN2258	3.3		3.3	8	II	1L	30L
		,		8		8				
	2427.	Propylene dichloride	UN1279	3.2	43	3.2	3	II	5 L	60 L
	(1091)			9.2	74					
					109					
	2429.	Propylene oxide	UN1280	3.1	46	3.1	3	I	1 L	30 L
	(2139)			9.2	56					
					99					
	2420	D 1	LINIOGO	2.2	109	2.2	2	TTT	60 I	220.1
	2430.	Propylene tetramer	UN2850	3.3		3.3	3	III	60 L	220 L
	(2900)	Due well for more to a	LINI1201	2.2		2.0	3	II	- T	
	2431. (1459)	Propyl formates	UN1281	3.2		3.2	3	11	5 L	60 L
	2432.	n-Propyl isocyanate	UN2482	3.2	46	3.2	3	I	n	30 L
	(1707)	n-i ropyr isocyanate	0112402	6.1	99	6.1	6.1	1	p	30 L
	2433.	Propyl mercaptan, see		0.1	,,,	0.1	0.1			
	(1838)	Propanethiols								
	2434.	n-Propyl nitrate	UN1865	3.2	48	3.2	3	II	5 L	60 L
	(2023)				99					
	2435.	Propyltrichlorosilane	UN1816	8	46	8	8	II	p	30 L
	(2648)				56					
					90					

Table 4a Discarded		COL I	COL II Product	COL III Class-	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Passenger Vehicles	Cargo Aircraft
	2436. (2652)	Pyrethrins, <i>see</i> PESTICIDES, etc.								
	2437. (2653)	Pyridine	UN1282	3.2 6.1		3.2 6.1	3 6.1	II	1 L	60 L
	2439. (264)	Pyrophoric alloys, n.o.s., <i>see</i> Pyrophoric metals, n.o.s.*, etc.								
	2440. (1774)	Pyrophoric liquids, n.o.s.*	UN2845	4.2	46 56 99	4.2	4.2	I	p	p
	2441. (1871)	Pyrophoric metals, n.o.s.* <i>or</i> Pyrophoric alloys, n.o.s.*	UN1383	4.2	46 48 56 88 99 102	4.2	4.2	П	p	p
	2442. (2767)	Pyrophoric solids, n.o.s.*	UN2846	4.2	46 48 89 99 102	4.2	4.2	I	p	p
	2443. (761)	Pyrosulphuryl chloride	UN1817	8	102	8	8	II	1 L	30 L
	2444. (1808)	Pyroxylin plastic, <i>see</i> Plastics, nitrocellulose-based, spontaneously combustible, n.o.s.*								

	_	COL	COL	COL	COL	COL	COL	COL	COL†	\mathbf{COL}_{\dagger}
Table 4a		I	II	Ш	IV	V	VI	VII	VIII	IX
Discarded commercial chemicals		Shipping Name	Product identi- fication	Class- ifica-	Special Provi-	IMO Class- ifica-	ICAO Class- ifica-	Pack- ing	Passenger Aircraft & Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	2445. (2657)	Pyrrolidine	UN1922	3.2	56	3.2	3	II	5 L	60 L
	2447. (2658)	Quinoline	UN2656	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	2448.	R10, see Carbon tetrachloride, etc.).2		<u> </u>				
	2449.	R12, see Dichlorodi- fluoromethane, etc.								
	2450.	R12B1, see Chlorodfluoro-								
	2451.	bromomethane, etc. R13, see Chlorotri-								
	2452.	fluoromethane, etc. R13B1, see Bromotri-								
		fluoromethane, etc.								
	2453.	R14, see Tetra-fluoromethane, etc.								
	2454.	R20, see Chloroform, etc.								
	2455.	R21, see Dichloro-								
	2456.	fluoromethane, etc. R22, see Chlorodi-								
	2457.	fluoromethane, etc. R23, see Trifluoro-								
	2458.	methane, etc. <i>R30</i> , see Dichloro-								
		methane, etc.								

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2459.	R40, see Methyl chloride, etc.								
	2460.	R41, see Methyl fluoride, etc.								
	2461.	R110, see Hexa-chloroethane, etc.								
	2462.	R114, see Dichloro- tetrafluoroethane, etc.								
	2463.	R115, see Chloropenta-fluoroethane, etc.								
	2464.	R116, see Hexa-fluoroethane, etc.								
	2465.	R120, see Penta- chloroethane, etc.								
	2466.	R124, see Chlorotetra- fluoroethane, etc.								
	2467.	R133a, see Chlorotrifluoroethane, etc.								
	2468.	R140a, see 1, 1, 1- Trichloroethane, etc.								
	2469. 2470.	R143a, see Trifluoroethane, etc. R150a, see 1, 1-Dichloroethane,								
	2471.	etc. R152a, see Di-fluoroethane, etc.								

		COL	COL	COL	\mathbf{COL}	COL	COL	COL	\mathbf{COL}_{\dagger}	COL†
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
chemicals	_	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
00	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	2.472	D160 D1 1								
	2472.	R160, see Ethyl								
		chloride, etc.								_
	2473.	R218, see Octa-								
		fluoropropane, etc.								
	2474.	R500, see Dichlorodi-								
		fluoromethane and								
		difluoroethane, etc.								
	2475.	R502, see Chlorodi-								
		fluoromethane and								
		chloropentafluoroethane, etc.								
	2476.	R503, see Chlorotri-								
		fluoromethane and								
		trifluoromethane, etc.								
	2477.	R1112a, see Dichlorodi-								
		fluoroethylene, etc.								
	2478.	R1113, see Trifluoro-								
		chloroethylene, inhibited, etc.								
	2479.	R1114, see Tetra-								
		fluoroethylene, etc.								
	2480.	R1120, see Trichloroethylene,								
		etc.								
	2481.	R1130, see Dichloroethylene,								
		etc.								
	2482.	<i>R1132a, see</i> 1, 1-								
		Difluoroethylene, etc.								

Table 4a		COL I	COL II	COL III	COL IV	COL	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provisions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2483.	R1140, see Vinyl chloride, etc.								
	2484.	R1141, see Vinyl fluoride, etc.								
	2485.	RC-318, see Octa-fluorocyclobutane, etc.								
	2492.	Rags, oily	UN1856			4.2		III		
	2493. (1498)	Rare gases <i>and</i> nitrogen mixtures	UN1981	2.2		2.2	2	X	75 kg	150 kg
	2494. (1499)	Rare gases and oxygen mixtures	UN1980	2.2		2.2	2	X	75 kg	150 kg
	2495. (1497)	Rare gases, mixtures (e.g. Argon; Helium; Krypton; Neon; Xenon)	UN1979	2.2		2.2	2	X	75 kg	150 kg
	2496.	Receptables, small, with flammable gas, without a dispersion device, not refillable	UN2037	2.1	56 96 100	2.1	2 3	X	1KG	15KG
	2497. (1483)	Refrigerant gases, n.o.s.* or Dispersant gas, n.o.s.*	UN1078	2.2	56 100 102	Y	2	X	75 kg	150 kg
	2498. (1484)	Refrigerant gases, n.o.s.* <i>or</i> Dispersant gas, n.o.s.* flammable, <i>see</i> Compressed <i>or</i> liquefied gases, flammable,								

n.o.s.*

Table 4a	•	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2500.	Refrigerating machines, containing flammable nonpoisonous, non-corrosive, liquefied gas	NA1954	2.1	55 90 96		2 3	X	P	-
	2501.	Refrigerating machines, containing flammable liquid	NA1993	3.1	55 99			II		
	2502. (-)	Resin oil, see ROSIN OIL								
	2503. (2706)	RESIN SOLUTION, flashpoint not less than -18°C but less than 23°C	UN1866	3.2		3.2	3	II	5 L	60 L
	2504. (2707)	RESIN SOLUTION, flashpoint not less than -18°C but less than 23°C	UN1866	3.2		-	3	III	60 L	220 L
	2505. (2708)	RESIN SOLUTION, flashpoint not less than 23°C	UN1866	3.3		3.3	3	III	60 L	220 L
	2506. (2709)	RESIN SOLUTION, POISONOUS	UN1896	6.1	46 94	6.1	6.1	I	1 L	30 L
	2507. (2710)	RESIN SOLUTION, POISONOUS	UN1896	6.1		6.1	6.1	II	5 L	60 L
	2508. (2711)	RESIN SOLUTION, POISONOUS	UN1896	6.1		6.1 3	6.1	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	2509. (2712)	Resorcinol	UN2876	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2510.	RODENTICIDES, N.O.S.*, liquid	UN1681	6.1	46 94 102	6.1	6.1	I	1 L	30 L
	2511.	RODENTICIDES, N.O.S.*, liquid	UN1681	6.1	102	6.1	6.1	II	5 L	60 L
	2512.	RODENTICIDES, N.O.S.*, liquid	UN1681	6.1		6.1	6.1	III	60 L	220 L
	2513.	RODENTICIDES, N.O.S.*, solid	UN1681	6.1	46 93	6.1	6.1	I	5 kg	50 kg
	2514.	RODENTICIDES, N.O.S.*, solid	UN1681	6.1	102	6.1	6.1	II	25 kg	100 kg
	2515.	RODENTICIDES, N.O.S.*, solid	UN1681	6.1		6.1	6.1	III	100 kg	200 kg
	2516. (1578)	ROSIN OIL	UN1286	3.2		3.2	3	III	60 L	220 L
	2517. (1579)	ROSIN OIL	UN1286	3.3		3.3	3	III	60 L	220 L
	2519. (554)	RUBBER SOLUTION	UN1287	3.2		3.2	3	II	5 L	60 L
	2520. (555)	RUBBER SOLUTION	UN1287	3.2		-	3	III	60 L	220 L
	2521. (556)	RUBBER SOLUTION	UN1287	3.3	89	3.3	3	III	60 L	220 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	2522. (2720)	Rubidium <i>or</i> Rubidium, metal <i>or</i> Rubidium in cartridges	UN1423	4.3	46 56 69 99	4.3	4.3	I	p	15 kg
	2523. (1638)	Rubidium hydroxide	UN2678	8		8	8	II	15 kg	50 kg
	2524. (1639)	Rubidium hydroxide, solution	UN2677	8		8	8	II	1 L	30 L
	2527. (2727)	Selenates or Selenites	UN2630	6.1 9.2	46 56 99 109	6.1	6.1	I	5 kg	50 kg
	2528. (140)	Selenic acid or Selenic acid, liquid	UN1905	8	46 56 90 118	8	8	I	p	25 kg
	2529. (1244)	Selenium disulphide	UN2657	6.1	56	6.1	6.1	П	25 kg	100 kg
	2530. (1544)	Selenium hexafluoride	UN2194	2.3	46 48 56 88 99 102	2.3 6.1	2	X	p	p

2532. Selenium oxide, see

(2140) POISONOUS SOLIDS, N.O.S.*

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	2533. (2125)	Selenium oxychloride	UN2879	8 6.1	46 56	8 6.1	8 6.1	I	0.5 L	2.5 L
	2534. (2729)	Selenium, powder	UN2658	6.1	99	6.1	6.1	III	100 kg	200 kg
	2535. (792)	Self-lighting cigarettes, <i>see</i> Cigarettes, self-lighting								
	2541. (2738)	Silane	UN2203	2.1	46 48 56 88 99 102	2.1	2 3	X	p	p
	2542. (2741)	Silicon powder, amorphous	UN1346	4.1		4.1	4.1	III	25 kg	100 kg
	2543. (2861)	Silicon tetrachloride	UN1818	8	8	8	II	1 L	30 L	
	2544. (2868)	Silicon tetrafluoride	UN1859	2.3	46 48 56 90 99 102	2.3	2 6.1 8	X	p	25 kg
	2546. (350)	Silver arsenite	UN1683	6.1	46 118	6.1	6.1	II	25 kg	100 kg
	2549.	Silver cyanide	UN1684	6.1	46 102 118	6.1	6.1	II	25 KG	100 KG

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2554. (2596)	Silver picrate, wetted with not less than 30 percent water, by mass	UN1347	4.1 E	10 46 48 58 99	4.1	4.1	I	p	p
	2555. (139)	Sludge acid or Acid, sludge	UN1906	8	46 56 90	8	8	II	p	30 L
	2556. (594)	Soda lime with more than 4 percent sodium hydroxide	UN1907	8		8	8	III	25 kg	100 kg
	2557. (2750)	Sodium or Sodium Metal	UN1428	4.3 9.2	46 56 90 99 102 109	4.3	4.3	П	p	50 kg
	2558. (274)	Sodium aluminate, solid	UN2812	8	95	NR	8	III	25 kg	100 kg
	2559. (273)	Sodium aluminate, solution	UN1819	8		8	8	II	1 L	30 L
	2560. (1652)	Sodium aluminum hydride	UN2835	4.3	46 48 56 90 99	4.3	4.3	II	p	50 kg
	2561. (2751)	Sodium amalgam	UN1424	4.3	46 48	4.3	4.3	I	p	15 kg

Table 4a Discarded commercial		COL I	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
chemicals (continued)	Item	Shipping Name and Description	Number	tion	sions	tion	tion	ing Group	Passenger Vehicles	Cargo Aircraft
	2562. (288)	Sodium amide	UN1425	4.3	46 48 56 90 99	4.3	4.3	II	p	50 kg
	2563. (3045)	Sodium ammonium vanadate	UN2863	6.1		6.1	6.1	II	25 kg	100 kg
	2564. (331)	Sodium arsanilate	UN2473	6.1	118	6.1	6.1	III	100 kg	200 kg
	2565. (337)	Sodium arsenate	UN1685	6.1 9.2	109 118	6.1	6.1	II	25 kg	100 kg
	2566. (356)	SODIUM ARSENITE, AQUEOUS SOLUTIONS	UN1686	6.1 9.2	89 109 118	6.1	6.1	II	5 L	60 L
	2567. (357)	SODIUM ARSENITE, AQUEOUS SOLUTIONS	UN1686	6.1 9.2	89 109 118	6.1	6.1	III	60 L	220 L
	2568. (358)	Sodium arsenite, solid	UN2027	6.1 9.2	109 118	6.1	6.1	П	25 kg	100 kg
	2570. (423)	Sodium bifluoride, <i>see</i> Sodium hydrogen fluoride, etc.								
	2571. (445)	Sodium borohydride	UN1426	4.3	46 48 99	4.3	4.3	I	p	15 kg
	2572. (456)	Sodium bromate	UN1494	5.1		5.1	5.1	П	5 kg	25 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
(2573. (543)	Sodium cacodylate	UN1688	6.1	118	6.1	6.1	II	25 kg	100 kg
	2574. (618)	Sodium chlorate	UN1495	5.1		5.1	5.1	II	5 kg	25 kg
	2575. (619)	Sodium chlorate, solution	UN2428	5.1		5.1	5.1	II	1 L	5 L
	2576. (635)	Sodium chlorite	UN1496	5.1	46 56	5.1	5.1	II	5 kg	25 kg
	2577. (636)	Sodium chlorite solution, with more than 5 percent available chlorine	UN1908	8		8	8	II	1 L	30 L
	2584. (1014)	Sodium 2-diazo-1-naphthol-4- sulphonate	UN3040	4.1	46 48	4.1	4.1	II	15 kg	50 kg
	2585. (1015)	Sodium 2-diazo-1-naphthol-5- sulphonate	UN3041	4.1	46 48	4.1	4.1	II	15 kg	50 kg
	2586. (2938)	Sodium dichloro-s-triazinetrione dry, <i>see</i> Dichloroisocyanuric acid, dry, etc.								
	2587. (419)	Sodium dichromate, <i>see</i> Oxidizing substances, n.o.s.*								
	2588. (1191)	Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	UN1348	4.1 6.1	10 46 48 58 99	4.1 6.1	4.1 6.1	I	1 kg	15 kg

Table 4a	-	COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2589. (1255)	Sodium dithionite <i>or</i> Sodium hydrosulphite	UN1384	4.2	101	4.2	4.2	II	15 kg	50 kg
	2590. (1259)	Sodium dodecylbenzene sulphonate (branched chain) (<i>RL-50</i>)	NA9146	9.2	49	-	-	III	-	-
	2591.	Sodium fluoride, solid	UN1690	6.1	34	6.1	6.1	III	100 kg	200 kg
	(1438)			9.2	109					
	2592.	Sodium fluoride, solution		6.1	109	6.1	-	III	-	-
	(1437)		UN1690	9.2						
	2593. (1408)	Sodium fluoroacetate	UN2629	6.1	46 56	6.1	6.1	I	5 kg	50 kg
	(1100)				99					
	2594. (1416)	Sodium fluorosilicate	UN2674	6.1		6.1	6.1	III	100 kg	200 kg
	2595.	Sodium hydride	UN1427	4.3	46	4.3	4.3	I	р	15 kg
	(1651)				48					
					56					
	0506	0 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I INIO 400	0	99	0	0	TT	1.71	50.1
	2596. (1601)	Sodium hydrogen fluoride solid <i>or</i> Sodium bifluoride, solid	UN2439	8 9.2	109	8	8	II	15kg	50 kg
	2597.	Sodium hydrogen fluoride	UN2439	8	109	8	8	II	1 L	30 L
	(1600)	solution or Sodium bifluoride,		9.2						

solution

Table 4a	-	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2598. (1606)	Sodium hydrogen sulphate, solid or Sodium bisulphate, solid	UN1821	8		8	8	III	25 kg	100 kg
	2599. (1605)	Sodium hydrogen sulphate, solution <i>or</i> Sodium bisulphate, Solution	UN2837	8		8	8	II	1 L	30 L
	2600. (1608)	Sodium hydrogen sulphite, solid or Sodium bisulphite, solid, see CORROSIVE SOLIDS, N.O.S.*								
	2601. (1607)	Sodium hydrogen sulphite, solution <i>or</i> Sodium bisulphite, solution, <i>see</i> Bisulphites, inorganic, aqueous solutions, n.o.s.*								
	2602. (2822)	Sodium hydrosulphide, solid with less than 25 percent water of crystallization	UN2318	4.2 9.2	48 109	4.2	4.2	II	15 kg	50 kg
	2603. (2821)	Sodium hydrosulphide, solid, with not less than 25 percent water of crystallization	UN2949	8 9.2	109	8	8	II	15 kg	50 kg
	2604. (2820)	Sodium hydrosulphide, solution, see CORROSIVE LIQUIDS, N.O.S.*								

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2605. (1627)	Sodium hydrosulphite, <i>see</i> Sodium dithionite, etc.								
	2606. (1641)	Sodium hydroxide, solid <i>or</i> flake <i>or</i> Caustic soda, solid <i>or</i> flake	UN1823	8 9.2	109	8	8	II	15 kg	50 kg
	2607. (1640)	Sodium hydroxide, solution <i>or</i> Caustic soda, solution	UN1824	8 9.2	109	8	8	II	1 L	30 L
	2608. (1857)	Sodium metabisulphite, see CORROSIVE SOLIDS, N.O.S.*								
	2609. (2752)	Sodium metal, see Sodium, etc.								
	2610. (2754)	Sodium metal dispersion in organic liquids	UN1429	4.3 9.2	46 48 56 99 102 109	4.3	4.3	I	p	15 kg
	2611. (2753)	Sodium, metal liquid alloy, <i>see</i> Alkali metal alloys, liquid								
	2612. (1895)	Sodium methylate, dry	UN1431	4.3 9.2	46 109	4.3	4.3	Ι	p	15 kg
	2613. (1896)	SODIUM METHYLATE SOLUTIONS in alcohols	UN1289	3.2 9.2	109	3.2	3	II	5 L	60 L

	=	COL	COL	COL	COL	\mathbf{COL}	COL	COL	\mathbf{COL}_{\dagger}	COL†
Table 4a		I	II	III	IV	\mathbf{V}	VI	VII	VIII	IX
Discarded			Product			IMO	ICAO		Passenger	
commercial			identi-	Class-	Special	Class-	Class-	Pack-	Aircraft &	
		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)										
	2614.	SODIUM METHYLATE	UN1289	3.2	109	-	3	III	60 L	220 L
	(1897)	SOLUTIONS in alcohols		9.2						
	2615.	SODIUM METHYLATE	UN1289	3.3	109	3.3	3	II	5 L	60 L
	(1898)	SOLUTIONS in alcohols		9.2						
	2616.	SODIUM METHYLATE	UN1289	3.3	109	-	3	III	60 L	220 L
	(1899)	SOLUTIONS in alcohols		9.2						
	2617.	Sodium monoxide, solid	UN1825	8	46	8	8	II	15 kg	50 kg
	(1951)									
	2618.	Sodium nitrate	UN1498	5.1	110	5.1	5.1	III	25 kg	100 kg
	(2027)									
	2619.	Sodium nitrate and potassium	UN1499	5.1	110	5.1	5.1	III	25 kg	100 kg
	(2028)	nitrate mixtures								
	2620.	Sodium nitrite	UN1500	5.1	46	5.1	5.1	III	25 kg	100 kg
	(2055)			9.2	109					
	2621.	Sodium nitrite and potassium								
	(2056)	nitrate mixtures, see Potassium								
	, , ,	nitrate and sodium nitrite								
		mixtures								
	2622.	Sodium pentachloro-phenate	UN2567	6.1	102	6.1	6.1	II	25 kg	100 kg
	(2172)	including mixtures of sodium			118				S	Ç
	` '	pentachlorophenate and sodium								
		tetrachlorophenate								
		. r								

Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2623. (2194)	Sodium percarbonates	UN2467	5.1		5.1	5.1	III	25 kg	100 kg
	2624. (2207)	Sodium perchlorate	UN1502	5.1	46	5.1	5.1	II	5 kg	25 kg
	2625. (2219)	Sodium permanganate	UN1503	5.1	99 110	5.1	5.1	II	5 kg	25 kg
	2626. (2291)	Sodium peroxide	UN1504	5.1	46 48 56 90	5.1	5.1	I	p	15 kg
	2627. (2354)	Sodium persulphate	UN1505	5.1		5.1	5.1	III	25 kg	100 kg
	2628. (2545)	Sodium phenolate, solid	UN2497	8		8	8	III	25 kg	100 kg
	2629. (2563)	Sodium phosphate, dibasic (<i>RL-230</i>)	NA9147	9.2	49	-	-	III	-	-
	2630. (2564)	Sodium phosphate, tribasic (<i>RL-230</i>)	NA9148	9.2	49	-	-	III	-	-
	2631. (2586)	Sodium phosphide	UN1432	4.3 4.2 6.1	46 48 56	4.3 6.1 6.1	4.3 4.2 99	I	p	15 kg
	2632. (2592)	Sodium picramate, wetted with not less than 20 percent water, by mass	UN1349	4.1	10 46 48 56 58 90 99	4.1	4.1	I	p	15 kg

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo
(continued)		and Description	Mumber	uun	510115	uun	.1011	Group	v chicles	AllClaft
	2634. (2755)	Sodium potassium alloys, see Potassium sodium alloys								
	2635. (2728)	Sodium selenite, <i>see</i> Selenates, etc.								
	2636. (2838)	Sodium sulphide, anhydrous or Sodium sulphide with less than 30 percent water of crystallization	UN1385	4.2	48	4.2	4.2	II	15 kg	50 kg
	2637. (2839)	Sodium sulphide, hydrated with not less than 30 percent water	UN1849	8		8	8	II	15 kg	50 kg
	2638. (2841)	Sodium superoxide	UN2547	5.1	46 48 90 99	5.1	5.1	I	p	15 kg
	2640. (783)	Stannic chloride, anhydrous <i>or</i> Tin tetrachloride, anhydrous	UN1827	8		8	8	II	1 L	30 L
	2641. (784)	Stannic chloride pentahydrate <i>or</i> Tin tetrachloride pentahydrate	UN2440	8		8	8	III	25 kg	100 kg
	2642. (2589)	Stannic phosphides	UN1433	4.3	46 48 56 99	4.3	4.3	I	p	15 kg

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2643. (782)	Stannous chloride, solid, see CORROSIVE SOLIDS, N.O.S.*								
	2644. (2786)	Stibine	UN2676	2.3 2.1	46 48 56 88 99 102	2.3 2.1 3	2 6.1	X	p	p
	2645. (2787)	Strontium alloys	UN1434	4.3	48 99	4.3	4.3	II	15 kg	50 kg
	2646. (359)	Strontium arsenite, Solid	UN1691	6.1	118	6.1	6.1	II	25 kg	100 kg
	2647. (620)	Strontium chlorate <i>or</i> Strontium chlorate, wetted	UN1506	5.1		5.1	5.1	II	5 kg	25 kg
	2648. (791)	Strontium chromate (RL-50)	NA9149	9.2	49	-	-	III	-	-
	2649. (2029)	Strontium nitrate	UN1507	5.1		5.1	5.1	III	25 kg	100 kg
	2650. (2208)	Strontium perchlorate	UN1508	5.1	46	5.1	5.1	II	5 kg	25 kg
	2651. (2293)	Strontium peroxide	UN1509	5.1	46	5.1	5.1	II	5 kg	25 kg
	2652. (2587)	Strontium phosphide	UN2013	4.3 6.1	46 48 99 102	4.3 6.1	4.3 6.1	I	p	15 kg

	-	COL	COL	COL	COL	COL	COL	COI	COL	COL
Table 4a		I	COL II	COL III	IV	V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial		•	Product identi-	Class-	Special	IMO Class-	ICAO Class-	Pack-	Passenger Aircraft &	
chemicals	.	Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
(continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	2653.	Strychnine or Strychnine	UN1692	6.1	46	6.1	6.1	Ι	5 KG	50 KG
		mixtures		9.2	56					
					89					
					93 102					
					102					
					118					
	2654.	Strychnine salts <i>or</i> Strychnine	UN1692	6.1	46	6.1	6.1	I	5 KG	50 KG
		salt mixtures		9.2	56					
					89					
					93					
					102					
					109					
					118					
	2655.	Styrene monomer, inhibited	UN2055	3.3	84	3.3	3	III	60 L	220 L
	(2791)			9.2	89 109					
	2656.	Substances which in contact with	UN2813	4.3	46	4.3	4.3	II	n	1 L
	(2793)	water emit flammable gases,	0112013	4.5	99	4.5	4.5	11	p	1 L
	(21)3)	n.o.s.*, liquid			100					
	2657.	Substances which <i>in contact with</i>	UN2813	4.3	46	4.3	4.3	II	р	15 kg
	(2794)	water emit flammable gases,			99				•	C
		n.o.s.*, solid			100					

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2658.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2780	3.2 6.1 9.2	46 56 109	3.2 6.1	3 6.1	I	P	30 L
	2659.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2780	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	П	1 L	60 L
	2660.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3013	6.1 3 9.2	46 56 89 94 109	6.1	6.1	I	1 L	30 L
	2661.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*, flashpoint not less than 23°C	UN3013	6.1 3 9.2	56 89 109	6.1	6.1	П	5 L	60 L
	2662.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3014	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L

Table 4a Discarded	•	COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2663.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3014	6.1 9.2	56 109	6.1	6.1	II	5 L	60 L
	2664.	SUBSTITUTED NITROPHENOL PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN3014	6.1 9.2	109	6.1	6.1	III	60 L	220 L
	2665.	SUBSTITUTED NITROPHENOL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2779	6.1 9.2	46 93 109	6.1	6.1	I	5 kg	50 kg
	2666.	SUBSTITUTED NITROPHENOL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2779	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	2667.	SUBSTITUTED NITROPHENOL PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2779	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2668. (2294)	Succinic acid peroxide, <i>see</i> Disuccinic acidperoxide, etc.								
	2671. (141)	Sulphamic acid	UN2967	8		8	8	Ш	25 kg	100 kg
	2675. (762)	Sulphur chloride(s)	UN1828	8 9.2	46 56 90 109	8	8	I	p	2.5 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(2676. (1223)	Sulphur dioxide, liquefied <i>or</i> Sulphur dioxide	UN1079	2.3	46 56 90 99 102	2.3 6.1	2	X	p	25 kg
	2677. (1545)	Sulphur hexafluoride	UN1080	2.2	48	2.2	2	X	75 kg	150 kg
	2678. (151)	Sulphuric acid, fuming or Oleum	UN1831	8 6.1 9.2	46 56 90 102 109	8 6.1	8 6.1	I	p	2.5 L
	2679. (150)	Sulphuric acid, not more than 51 percent acid, see also Battery fluid, acid, etc.	UN1830	-	95	-	8	II	1 L	30 L
	2680. (149)	Sulphuric acid, more than 51 percent acid, by mass	UN1830	8 9.2	109	8	8	II	1 L	30 L
	2681. (152)	Sulphuric acid, spent	UN1832	8 9.2	46 56 61 90 109	8	8	II	p	30 L

2682. Sulphuric acid *and* hydrofluoric acid mixtures, *see* Hydrofluoric acid *and* sulphuric acid mixtures

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2683. (148)	Sulphurous acid	UN1833	8	46	8	8	II	1 L	30 L
	2684. (2869)	Sulphur tetrafluoride	UN2418	2.3	46 48 56 90 99 102	2.3 6.1	2	X	p	25 kg
	2685. (3028)	Sulphur trioxide, inhibited	UN1829	8	46 56 84 90 102	8	8	I	p	25 kg
	2686. (763)	Sulphuryl chloride	UN1834	8	46 102	8	8	I	0.5 L	2.5 L
	2687. (1439)	Sulphuryl fluoride	UN2191	2.3	46 90 99 102	2.3 6.1	2	X	p	25 kg
	2689.	2, 4, 5-T, see PHENOXY PESTICIDES, etc.								
	2693.	TDE <i>or</i> 1, 1-Dichloro 2, 2-di-(p-chlorophenyl) ethane, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(cominuea)	2694. (589)	Tear gas candles	UN1700	6.1 4.1	46 48 56 90 99 102	6.1 4.1	6.1 4.1	II	p	25 kg
	2695. (1488)	Tear gas substances, n.o.s.*, liquid	UN1693	6.1	46 48 90 99 102	6.1	6.1	П	p	5 L
	2696. (1489)	Tear gas substances, n.o.s.*, solid	UN1693	6.1	46 48 90 99 102	6.1	6.1	II	p	25 kg
	2697. (1546)	Telluriumhexafluoride	UN2195	2.3	46 48 56 88 99 102	2.3 6.1	2	X	p	p
	2698. (1595)	Terpene hydrocarbons, n.o.s.*	UN2319	3.3		3.3	3	III	60 L	220 L
	2699. (2852)	Terpinolene	UN2541	3.3		3.3	3	III	60 L	220 L
	2701. (2854)	Tetrabromoethane <i>or</i> Acetylene tetrabromide	UN2504	6.1		6.1	6.1	III	60 L	220 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
,	2702. (2857)	Tetrachloroethane	UN1702	6.1 9.2	109	6.1	6.1	II	5 L	60 L
	2703. (2858)	Tetrachloroethylene <i>or</i> Perchloroethylene	UN1897	6.1		6.1	6.1	Ш	60 L	220 L
	2712. (2865)	Tetraethylenepentamine	UN2320	8		8	8	III	5 L	60 L
	2713.	Tetraethyl lead, liquid <i>see</i> Motor fuel antiknock mixtures								
	2715.	Tetraethyl pyrophosphate liquid or Tetraethyl pyrophosphate mixture, liquid, see ORGANOPHOSPHORUS PESTICIDES, etc.								
	2716.	Tetraethyl pyrophosphate mixture, dry, <i>see</i> ORGANOPHOSPHORUS PESTICIDES, etc.								
	2717. (2740)	Tetraethyl silicate <i>or</i> Ethyl silicate	UN1292	3.3	89	3.3	3	III	60 L	220 L
	2718. (2866)	Tetrafluoroethylene, inhibited (R1114)	UN1081	2.1	48 56 84 90 99 102	2.1	2 3	X	p	150 kg
	2719. (2867)	Tetrafluoromethane (R14)	UN1982	2.2		2.2	2	X	75 kg	150 kg

Table 4a	•	COL I	COL II	COL III	COL IV	COL V	COL VI	COL VII	COL† VIII	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	Product identi- fication Number	Class- ifica- tion	Special Provi- sions	IMO Class- ifica- tion	ICAO Class- ifica- tion	Pack- ing Group	Passenger Aircraft & Passenger Vehicles	Cargo Aircraft
	2720. (2870)	1, 2, 3, 6-Tetrahydro- benzaldehyde	UN2498	3.3		3.3	3	III	60 L	220 L
	2721. (2871)	Tetrahydrofuran	UN2056	3.1	56 99 110	3.1	3	II	5 L	60 L
	2722. (2872)	Tetrahydro-furfurylamine	UN2943	3.3		3.3	3	III	60 L	220 L
	2723. (1621)	Tetrahydronaphthyl Hydroperoxide <i>or</i> Tetralin hydroperoxide, <i>technically pure</i>	UN2136	5.2	46 48 56 99	5.2	5.2	Ι	1 kg	5 kg
	2724. (313)	Tetrahydrophthalic anhydrides, with more than 0.05 percent maleic anhydride	UN2698	8	44	8	8	III	25 kg	100 kg
	2725. (2873)	1, 2, 3, 6-Tetrahydropyridine	UN2410	3.2		3.2	3	II	5 L	60 L
	2726. (2874)	Tetrahydrothiophene	UN2412	3.2		3.2	3	II	5 L	60 L
	2727. (1622)	Tetralin hydroperoxide, <i>see</i> Tetrahydronaphthyl- hydroperoxide, etc.								
	2728. (1642)	Tetramethylammonium hydroxide <i>or</i> Tetramethylammonium hydroxide, solution	UN1835	8		8	8	П	1 L	30 L

Table 4a Discarded commercial chemicals (continued) Table 4a Discarded commercial illumitation if in the commercial chemicals (continued) Table 4a Discarded Class- Special Class- Class- Pack- Aircraft & Cargo Cargo Item tion tion Group Vehicles Aircraft & Cargo Car
Discarded commercial chemicals (continued) Shipping Name and Description The state of the product identification in the proving signs of the proving signs
commercial chemicals (continued) Shipping Name and Description Shipping Name fication ifica- provisions tion Number tion Special Class- Class- pack- Aircraft & Provisions tion tion Group Vehicles Aircraft & Aircraft & Cargo Pack- ifica- ing passenger Pack- ifica- ifica- ing passenger Pack- ifica- ing passenger Pack- ifica- ing passenger Pack- ifica- ifica- ing passenger Pack- ifica- ific
chemicals (continued) Shipping Name and Description Shipping Name fication ifica- vion sions tion tion Group Vehicles Aircra Cargo Aircra Cargo Aircra 2729. 1, 1, 3, 3-Tetramethyl-butyl (1623) hydroperoxide or tert-Octyl Shipping Name fication ifica- vion sions tion tion Group Vehicles Aircra Let Vehicles Vehicles Aircra Cargo Aircra Cargo Aircra Cargo Aircra Shipping Name and Description Vehicles Aircra 10 L
chemicals (continued) Item and Description Number tion sions tion tion Group Vehicles Aircra Vehicles Aircra UN2160 5.2 48 5.2 5.2 II 5 L 10 L (1623) hydroperoxide or tert-Octyl
(continued) 2729. 1, 1, 3, 3-Tetramethyl-butyl (1623) UN2160 5.2 48 5.2 5.2 II 5 L 10 L (1623) hydroperoxide or tert-Octyl 56
2729. 1, 1, 3, 3-Tetramethyl-butyl UN2160 5.2 48 5.2 5.2 II 5 L 10 L (1623) hydroperoxide <i>or</i> tert-Octyl 56
(1623) hydroperoxide <i>or</i> tert-Octyl 56
nyaro peroxiae, teenineury pure
83
99
2730. 1, 1, 3, 3-Tetramethyl-butyl UN2161 5.2 46 5.2 5.2 II p
(1364) peroxy-2-ethyl-hexanoate or 48
tert-Octyl peroxy-2- 56
ethylhexanoate, technically pure 83
99
$+20^{\circ}\mathrm{C}$
+25°C
2732. Tetramethyl methylenediamine NA9069 9.1 49 III
(2875)
2733. Tetramethylsilane UN2749 3.1 46 3.1 3 I p 30 L
(2877) 90 99
2742. Tetrapropylor-thotitanate UN2413 3.3 3.3 II 5 L 60 L
2750. Thia-4-pentanal UN2785 6.1 99 6.1 6.1 III 60 L 220 L
(2906) 3
2751. Thioacetic acid UN2436 3.2 3.2 3 II 5 L 60 L
(154)
2752. Thioglycol UN2966 6.1 6.1 II 5 L 60 L
(2914)
2753. Thioglycolic acid UN1940 8 8 8 II 1 L 30 L
(155)

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2754. (156)	Thiolactic acid	UN2936	6.1		6.1	6.1	II	25 kg	100 kg
	2755. (764)	Thionyl chloride	UN1836	8	46 56 90	8	8	I	p	2.5 L
	2756. (2915)	Thiophene	UN2414	3.2		3.2	3	II	5 L	60 L
	2757. (2916)	Thiophosgene	UN2474	6.1	46 56 90 96 102	6.1	6.1	II	p	60 L
	2758. (765)	Thiophosphoryl chloride	UN1837	8	46 56 90	8	8	II	p	30 L
	2759.	Thiourea	UN2877			6.1		III		
	2760.	Thiram, <i>see</i> DITHIOCARBAMATE PESTICIDES, etc.								
	2762. (2031)	Thorium nitrate, solid	UN2976	7 5.1	96 100 115	-	7 5.1	-		
	2763. (2848)	TINCTURES, MEDICINAL	UN1293	3.2		3.2	3	II	5 L	60 L
	2764. (2849)	TINCTURES, MEDICINAL	UN1293	3.2		-	3	III	60 L	220 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
,	2765. (2850)	TINCTURES, MEDICINAL	UN1293	3.3		3.3	3	II	5 L	60 L
	2766. (2851)	TINCTURES, MEDICINAL	UN1293	3.3		-	3	III	60 L	220 L
	2767. (2860)	Tin tetrachloride, <i>see</i> Stannic chloride, etc.								
	2768. (1653)	Titanium hydride	UN1871	4.1	99	4.1	4.1	II	15 kg	50 kg
	2769.	Titanium powder, dry	UN2546	4.2	46	4.2	4.2	II	15 kg	50kg
	(2923)	(a) Mechanically produced,			48					
		particle size between 3 and 53			56					
		micrometres;			64					
		(b) Chemically produced, particle size between 10 and 840 micrometres			99					
	2770.	Titanium powder, wetted with	UN1352	4.1	46	4.1	4.1	II	15 kg	50 kg
	(2922)	not less than 25 percent water (a			48					
		visible excess of water must be			56					
		present) (a) Mechanically produced, particle sizeless than 53 micrometres; (b) Chemically produced, particle size less than 840 micrometres			99					

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(**************************************	2771. (2924)	Titanium sponge granules <i>or</i> Titanium sponge powders	UN2878	4.1	46 99	4.1	4.1	Ш	25 kg	100 kg
	2772. (2811)	Titanium sulphate solution containing not more than 45 percent sulphuric acid, see CORROSIVE LIQUIDS, N.O.S.*								
	2773. (2862)	Titanium tetrachloride	UN1838	8	46 90	8	8	II	p	30 L
	2774. (2960)	Titanium trichloride mixtures	UN2869	8	46	8	8	II	15 kg	50 kg
	2775.	Titanium trichloride, pyrophoric	UN2441	4.2	46	4.2	4.2	II	15 kg	50 kg
	(2961)	or Titanium trichloride mixtures, pyrophoric		8	48	8	8		C	C
	2776. (446)	Toe puffs, nitrocellulose base	UN1353	4.1	48 99	4.1	4.1	III	25 kg	100 kg
	2777. (2926)	Toluene	UN1294	3.2 9.2	109	3.2	3	II	5 L	60 L
	2778. (1129)	Toluene diisocyanate	UN2078	6.1	46 56 99 100 102	6.1	6.1	П	5 L	60 L

Toluene sulphonic acid, see Alkyl, Aryl or Toluene sulphonic acid, etc. 2779.

(2927)

(157)

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
	2780. (2928)	Toluidines, liquid	UN1708	6.1		6.1	6.1	II	5 L	60 L
	2781. (2929)	Toluidines, solid	UN1708	6.1		6.1	6.1	II	25 kg	100 kg
	2782. (2930)	2, 4-Toluylenediamine	UN1709	6.1		6.1	6.1	III	100 kg	200 kg
	2783.	Toxaphane, <i>see</i> ORGANOCHLORINE PESTICIDES, etc.								
	2784. (2934)	Triallylamine	UN2610	3.3	89	3.3	3	III	60 L	220 L
	2786.	TRIAZINE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.* flashpoint not less than -18°C but less than 23°C	UN2764	3.2 6.1 9.2	46 56 109	3.2 6.1	3 6.1	I	P	30 L
	2787.	TRIAZINE PESTICIDES, LIQUID, FLAMMABLE, TOXIC, N.O.S.*, flashpoint not less than -18°C but less than 23°C	UN2764	3.2 6.1 9.2	56 109	3.2 6.1	3 6.1	II	1 L	60 L
	2788.	TRIAZINE PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.* flashpoint not less than 23°C	UN2997	6.1 3 9.2	46 56 89	6.1	6.1	I	1 L	30 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commuca)	2789.	TRIAZINE PESTICIDES, FLAMMABLE, N.O.S.* flashpoint not less than 23°C	UN2997	6.1 3 9.2	56 89 90 109	6.1	6.1	II	5 L	60 L
	2790.	TRIAZINE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2998	6.1 9.2	46 56 94 109	6.1	6.1	I	1 L	30 L
	2791.	TRIAZINE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2998	6.1 9.2	56 109	6.1	6.1	П	5 L	60 L
	2792.	TRIAZINE PESTICIDES, LIQUID, TOXIC, N.O.S.*	UN2998	6.1	109 9.2	6.1	6.1	III	60 L	220 L
	2793.	TRIAZINE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2763	6.1	46 9.2 109	6.1 93	6.1	I	5 kg	50 kg
	2794.	TRIAZINE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2763	6.1 9.2	109	6.1	6.1	II	25 kg	100 kg
	2795.	TRIAZINE PESTICIDES, SOLID, TOXIC, N.O.S.*	UN2763	6.1 9.2	109	6.1	6.1	III	100 kg	200 kg
	2796. (2141)	Tri-(1-aziridinyl)-phosphine oxide, solution	UN2501	6.1		6.1	6.1	II	5 L	60 L
	2797. (2945)	Tributylamine	UN2542	8		8	8	III	5 L	60 L

2798. Trichlorfon, *see*ORGANOPHOSPHORUS
PESTICIDES, etc.

	_	COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II Product	III	IV	V IMO	VI ICAO	VII	VIII Passenger	IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2799. (159)	Trichloroacetic acid, solid	UN1839	8	46	8	8	II	15 kg	50 kg
	2800. (158)	Trichloroacetic acid, solution	UN2564	8	110	8	8	II	1 L	30 L
	2801. (766)	Trichloroacetyl chloride	UN2442	8	46 88 99	8	8	II	p	p
	2802 (2950)	Trichlorobenzenes, liquid	UN2321	6.1		6.1	6.1	III	60 L	220 L
	2803. (2951)	Trichlorobutene	UN2322	6.1		6.1	6.1	II	5 L	60 L
	2804. (2947)	1, 1, 1-Trichloroethane (R140a)	UN2831	6.1		6.1	6.1	III	60 L	220 L
	2805. (2948)	Trichloroethylene (R1120)	UN1710	6.1 9.2	109 110	6.1	6.1	III	60 L	220 L
	2806. (160)	Trichloroisocyanuric acid, dry	UN2468	5.1		5.1	5.1	II	5 kg	25 kg
	2808. (2952)	Trichlorophenols, <i>see</i> Chlorophenols, etc.								
	2809.	2, 4, 5 - Trichloro-phenoxyacetic acid <i>or</i> 2, 4, 5, -T, see PHENOXY-PESTICIDES, etc.								
	2810.	2, 4, 5- Trichloro-phenoxyacetic acid amine, ester or salt, <i>see</i> PHENOXYPESTICIDES, etc.								

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	2811.	2, 4, 5 - Trichloro- phenoxypropionic acid <i>or</i> 2, 4, 5-TP, <i>see</i> PHENOXYPESTICIDES, etc.								
	2812.	2, 4, 5-Trichlorphenosy- propionic acid ester <i>or</i> 2, 4, 5-TP ester, <i>see</i> PHENOXY PESTICIDES, etc.								
	2813. (2953)	Trichlorosilane	UN1295	4.3 3 8	46 56 99	4.3 3 8	4.3 3 8	I	p	p
	2814. (2939)	Trichloro-s-triazinetrione, dry, see Trichloroisocyanuric acid, dry								
	2815. (2936)	(mono)-(Trichloro)tetra- (monopotassium dichloro)- penta-s-triazinetrione, dry, <i>see</i> Trichloroisocyanuric acid, dry								
	2816. (2570)	Tricresyl phosphate, with more than 3 percent ortho isomer	UN2574	6.1	118	6.1	6.1	II	5 L	60 L
	2817. (1260)	Triethanolamine dodecylbenzene sulphonate (<i>RL-50</i>)	NA9151	9.2	49	-	-	III	-	-
	2818. (280)	Triethyl aluminum, <i>see</i> Aluminum alkyls								

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV	COL V IMO	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Special Provi- sions	Class- ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	2819. (2963)	Triethylamine	UN1296	3.2 9.2	109	3.2	3	II	5 L	60 L
	2820. (2964)	Triethylene phosphoramide, <i>see</i> Tri-(1-aziridinyl) phosphine oxide, solution								
	2821. (2965)	Triethylene tetramine	UN2259	8		8	8	II	1 L	30 L
	2822. (2574)	Triethyl phosphite	UN2323	3.3		3.3	3	III	60 L	220 L
	2823. (163)	Trifluoroacetic acid	UN2699	8	46 56	8	8	I	0.5 L	2.5 L
	2824. (767)	Trifluoroacetyl chloride	UN3057	2.4	100	-	2 8	X	p	25 kg
	2825. (2967)	Trifluorochloroethylene, inhibited (R1113)	UN1082	2.1	46 56 90 102	2.1	2 3	X	p	150 kg 84
	2826. (2966)	Trifluoroethane, compressed (R143a)	UN2035	2.1	46 56 90 102	2.1	2 3	X	p	150 kg
	2827. (2968)	Trifluoromethane (R23)	UN1984	2.2		2.2	2	X	75 kg	150 kg
	2828. (2969)	2-Trifluoromethylaniline	UN2942	6.1		6.1	6.1	III	60 L	220 L
	2829. (2970)	3-Trifluoromethylaniline	UN2948	6.1		6.1	6.1	II	5 L	60 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
	2831. (281)	Triisobutyl aluminum, <i>see</i> Aluminum alkyls								
	2832 (2987)	TRIISOBUTYLENE	UN2324	3.3		3.3	3	II	5 L	60 L
	2833. (2988)	TRIISOBUTYLENE	UN2324	3.3		-	3	III	60 L	220 L
	2834. (2989)	Triisocyanato-isocyanurate of isophoronedi-isocyanate, solution (70 percent, by mass)	UN2906	3.3		3.3	3	III	60 L	220 L
	2835. (436)	TRIISOPROPYL BORATE	UN2616	3.3		3.3	3	II	5 L	60 L
	2836. (437)	TRIISOPROPYL BORATE	UN2616	3.3		-	3	III	60 L	220 L
	2837. (768)	Trimethyl acetyl chloride	UN2438	8 3	99	8 3	8 3	II	1 L	30 L
	2838. (282)	Trimethyl aluminum, <i>see</i> Aluminum alkyls								
	2839. (2992)	Trimethylamine, anhydrous	UN1083	2.1	46 56 90 99	2.1	2 3	X	p	150 kg

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Table 4a		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
Discarded commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provisions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2840. (2993)	TRIMETHYLAMINE, AQUEOUS SOLUTIONS, not more than 50 percent trimethylamine, by mass	UN1297	3.2 9.2	71 109	3.2	3	П	5 L	60 L
	2841. (2994)	TRIMETHYLAMINE, AQUEOUS SOLUTIONS, not more than 50 percent trimethylamine, by mass	UN1297	3.2 9.2	71 109	-	3	III	60 L	220 L
	2842. (2990)	1, 3, 5-Trimethylbenzene	UN2325	3.3		3.3	3	III	60 L	220 L
	2843. (438)	Trimethyl borate	UN2416	3.2	100 110	3.2	3	II	5 L	60 L
	2844. (2995)	Trimethylchlorosilane	UN1298	3.1	46 56 90 99	3.2 8	3 8	Ι	p	2.5 L
	2845. (2996)	Trimethylcyclohexyl- amine	UN2326	8		8	8	III	5 L	60 L
	2846. (2998)	Trimethylhexamethylene-diamine	UN2327	8		8	8	III	5 L	60 L
	2847. (1130)	Trimethylhexamethylene diisocyanate	UN2328	6.1		6.1	6.1	III	60 L	220 L
	2848. (2347)	2, 4, 4-Trimethylpentyl-2-peroxy phenoxy acetate, <i>not more than</i> 37 percent in solution	UN2961	5.2	46 48 83 99 -10°C 0°C	5.2	5.2	Π	p	p

Table 4a Discarded commercial chemicals (continued)	<u>Item</u>	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuea)	2849. (2575)	Trimethyl phosphite	UN2329	3.3		3.3	3	III	00 L	220 L
	2856. (3000)	Trinitroaniline, wetted uniformly with not less than 10 percent water, by mass	NA9073	4.1	10 40 48 58	-	-	II	-	-
	2862. (3017)	Trinitrobenzene, wetted with not less than 30 percent water, by mass	UN1354	4.1	10 46 48 58 99 100	4.1	4.1	I	0.5 kg	0.5 kg
	2863. (165)	Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	UN1355	4.1	10 46 48 58 99 100	4.1	4.1	I	0.5 kg	0.5 kg
	2864. (3020)	Trinitrophenol, wetted with not less than 30 percent water, by mass	UN1344	4.1	10 46 48 58 99 100	4.1	4.1	I	1 kg	15 kg
	2870.	Trinitrotoluene, wetted with not less than 30 percent water, by mass	UN1356	4.1	10 46 48 58 99 100	4.1	4.1	I	0.5 KG	0.5 KG

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		I	II Product	III	IV	V IMO	VI ICAO	VII	VIII	IX
Discarded commercial		Shipping Name	identi- fication	Class- ifica-	Special Provi-	Class- ifica-	Class- ifica-	Pack- ing	Passenger Aircraft & Passenger	Cargo
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(commed)	2873.	Tripropyl aluminum, see								
	(283)	Aluminum alkyls								
	2874.	Tripropylamine	UN2260	3.3		3.3	3	II	1 L	5 L
	(3032)			8		8	8			
	2875. (3033)	TRIPROPYLENE	UN2057	3.2		3.2	3	II	5 L	60 L
	2876.	TRIPROPYLENE	UN2057	3.2		-	3	III	60 L	220 L
	(3034)									-0
	2877. (3035)	TRIPROPYLENE	UN2057	3.3		3.3	3	II	5 L	60 L
	2878. (3036)	TRIPROPYLENE	UN2057	3.3		-	3	III	60 L	220 L
	2881.	Tungsten hexafluoride	UN2196	2.3	46	2.3	2	X	р	p
	(1547)				48	6.1			1	1
					56					
					88					
					99					
					102					
	2882. (1292)	Turpentine	UN1299	3.3		3.3	3	III	60 L	220 L
	2883. (1293)	TURPENTINE SUBSTITUTE (boiling point range: 14°C to 135°C), flashpoint not less than - 18°C but less than 23°C	UN1300	3.2		3.2	3	II	5 L	60 L

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	2884. (1294)	TURPENTINE SUBSTITUTE (boiling point range:14°C to 135°C), flashpoint not less than -18°C but less than 23°C	UN1300	3.2		-	3	III	60 L	220 L
	2885. (1295)	TURPENTINE SUBSTITUTE (boiling point range: 14°C to 135°C), flashpoint not less than 23°C	UN1300	3.3	89	3.3	3	III	60 L	220 L
	2886. (3039)	Undecane	UN2330	3.3		3.3	3	III	60 L	220 L
	2887.	Uranium hexafluoride, fissile	UN2977	7	96	_	7	-		
	(1549)	containing more than 1.0		8	100		8			
	, ,	percent Uranium-235			102 115					
	2888.	Uranium hexafluoride, fissile	UN2978	7	96	-	7	-		
	(1548)	excepted or non-fissile 115		8	100		8			
	2890.	Uranyl acetate	NA9180	7	40	_	_	_		
	(21)	•		9.2	109 115					
	2891.	Uranyl nitrate hexahydrate,	UN2980	7	96	-	7	X		
	(2032)	solution		8	100		8			
				9.2	109 115					

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
	2892. (2033)	Uranyl nitrate, solid	UN2981	7 5.1 9.2	96 100 109 115	-	7 5.1	X		
	2893. (3041)	Urea hydrogen peroxide	UN1511	5.1	48	5.1	5.1	III	25 kg	100 kg
	2894. (2034)	Urea nitrate, wetted with not less than 20 percent water, by mass	UN1357	4.1	15 46 48 58 100	4.1	4.1	I	1 kg	15 kg
	2895. (3042)	Valeraldehyde	UN2058	3.2		3.2	3	II	5 L	60 L
	2896. (166)	Valeric acid, <i>see</i> CORROSIVE LIQUIDS, N.O.S.*								
	2897. (769)	Valeryl chloride	UN2502	8		8	8	II	1 L	30 L
	2898. (2151)	Vanadium oxytrichloride	UN2443	8	46 56 90	8	8	II	p	30 L
	2899. (2152)	Vanadium oxytrichloride <i>and</i> titanium tetrachloride, mixture, <i>see</i> Vanadium oxytrichloride								
	2901. (2863)	Vanadium tetrachloride	UN2444	8	46 56 90	8	8	I	p	2.5 L

Table 4a Discarded		COL I	COL II Product	COL III	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	2902. (2962)	Vanadium trichloride	UN2475	8		8	8	III	25 kg	100 kg
	2903. (3029)	Vanadium trioxide, non-fused form	UN2860	6.1	46	6.1	6.1	II	25 kg	100 kg
	2904. (2812)	Vanadyl sulphate	UN2931	6.1 9.2	46 109	6.1	6.1	II	25 kg	100 kg
	2906. (28)	Vinyl acetate, inhibited	UN1301	3.2 9.2	84 109	3.2	3	II	5 L	60 L
	2907. (498)	Vinyl bromide, inhibited	UN1085	2.1	46 56 84 90 102	2.1	2 3	X	p	150 kg
	2908. (539)	Vinyl butyrate, inhibited	UN2838	3.2	84	3.2	3	II	5 L	60 L
	2909.	Vinyl chloride, inhibited (R1140)	UN1086	2.1	46 56 84 90 102	2.1	2 3	X	p	150kg
	2910.	Vinyl chloroacetate	UN2589	6.1		6.1	6.1	II	5 L	60 L
	2911.	Vinyl ethly ether, inhibited	UN1302	3.1	46 56 84 99	3.1	3	I	1 L	30 L

Table 4a Discarded commercial chemicals (continued)	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(commuca)	2912.	Vinyl fluoride, inhibited (R1141)	UN1860	2.1	46 56 84 90 99 102	2.1	2 3	X	P	150 KG
	2913.	Vinylidene chloride, inhibited	UN1303	3.1 9.2	46 84 99 109	3.1	3	I	1 L	30 L
	2914.	Vinyl isobutyl ether, inhibited	UN1304	3.2	84	3.2	3	II	5 L	60 L
	2915.	Vinyl methyl ether, inhibited	UN1087	2.1	46 56 84 90 102	2.1	2 3	X	P	150 KG
	2917.	Vinyl pyridines, inhibited	UN3073	6.1	46 48 100		6.1	II	5 L	60 L
	2918.	Vinyl toluene, inhibited, mixed isomers	UN2618	3.3	84 118	3.3	3	III	60 L	220 L
	2919.	Vinyltrichlorosilane, inhibited	UN1305	3.2	46 56 84 90	3.2 8	3 8	I	P	2.5 L

Table 4a Discarded		COL I	COL II Product identi-	COL III Class-	COL IV Special	COL V IMO Class-	COL VI ICAO Class-	COL VII Pack-	COL† VIII Passenger Aircraft &	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	fication Number	ifica- tion	Provi- sions	ifica- tion	ifica- tion	ing Group	Passenger Vehicles	Cargo Aircraft
(**************************************	3020.	White acid (ammonium bifluroide <i>and</i> hydrofluoric acid mixture), <i>see</i> CORROSIVE LIQUIDS, POISONOUS, N.O.S.*								
	3022.	WOOD PRESERVATIVES, LIQUID, flashpoint not less than -18°C but less than 23°C	UN1306	3.2		3.2 6.1	3	II	5 L	60 L
	3023.	WOOD PRESERVATIVES, LIQUID, flashpoint not less than -18°C but less than 23°C	UN1306	3.2		-	3	III	60 L	220 L
	3024.	WOOD PRESERVATIVES, LIQUID, flashpoint not less than 23°C	UN1306	3.3 6.1		3.3	3	II	5 L	60 L
	3025.	WOOD PRESERVATIVES, LIQUID, flashpoint not less than 23°C	UN1306	3.3		-	3	III	60 L	220 L
	3027.	Xenon	UN2036	2.2		2.2	2	X	75 KG	150 KG
	3028.	Xenon, refrigerated liquid	UN2591	2.2	46 56	2.2	2	X	50 KG	500 KG
	3029.	XYLENES	UN1307	3.2 9.2	89 109	3.2	3	II	5 L	60 L
	3030.	XYLENES	UN1307	3.3 9.2	89 109	3.3	3	III	60 L	220 L

Table 4a Discarded commercial		COL I Shipping Name	COL II Product identi- fication	COL III Class- ifica-	COL IV Special Provi-	COL V IMO Class- ifica-	COL VI ICAO Class- ifica-	COL VII Pack- ing	COL† VIII Passenger Aircraft & Passenger	COL† IX
chemicals (continued)	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(**************************************	3031.	Xylenols	UN2261	6.1 9.2	102 109	6.1	6.1	П	25 KG	100 KG
	3032.	Xylidines	UN1711	6.1	102	6.1	6.1	II	5 L	60 L
	3033.	Xylyl bromide	UN1701	6.1	46 56 90 99 102	6.1	6.1	II	P	60 L
	3035.	Zinc acetate (RL-50)	NA9153	9.2	49			III		
	3036.	Zinc ammonium chloride (<i>RL-230</i>)	NA9154	9.2	49			III		
	3037.	Zinc ammonium nitrite	UN1512	5.1	46 48	P	5.1	II	5 KG	25 KG
	3038.	Zinc arsenate <i>or</i> Zinc arsenate <i>and</i> Zinc arsenite mixtures	UN1712	6.1	118	6.1	6.1	II	25 KG	100 KG
	3039.	Zinc ashes	UN1435	4.3	48	4.3	4.3	III	25 KG	100 KG
	3040.	Zinc borate	NA9155	9.2	49			III		
	3041.	Zinc bromate	UN2469	5.1		5.1	5.1	III	25 KG	100 KG
	3042.	Zinc bromide (RL-230)	NA9156	9.2	49			III		
	3043.	Zinc carbonate	NA9157	9.2	49			III		
	3044.	Zinc chlorate	UN1513	5.1		5.1	5.1	II	5 KG	25 KG
	3045.	Zinc chloride, anhydrous	UN2331	8 9.2	109 118	8	8	III	25 KG	100 KG

		COL	COL	COL	COL	COL	COL	COL	COL†	COL†
Table 4a		1	II Product	Ш	IV	V IMO	VI ICAO	VII	VIII	IX
Discarded			identi-	Class-	Special	Class-	Class-	Pack-	Passenger Aircraft &	
commercial		Shipping Name	fication	ifica-	Provi-	ifica-	ifica-	ing	Passenger	Cargo
chemicals	Item	and Description	Number	tion	sions	tion	tion	Group	Vehicles	Aircraft
(continued)	100111		1 (41112001	V 1011	510115	V 1011	V 1011	отопр	, 01110100	1 221 01 011
	3046.	Zinc chloride, solution	UN1840	8	109	8	8	III	5 L	60 L
				9.2	118					
	3048.	Zinc dithionite or Zinc	UN1931	9.1	44	9	9	III	100 KG	200 KG
	-	hydrosulphite			46					
	3049.	Zinc fluoride (RL-50)	NA9158	9.2	49			III		
	3050.	Zinc fluorosilicate or Zinc	UN2855	6.1	109	6.1	6.1	III	100 KG	200 KG
		silicofluoride		9.2						
	3051.	Zinc formate (RL-50)	NA9159	9.2	49			III		
	3052.	Zinc hydrosulphite, see Zinc								
		dithionite, etc.								
	3053.	Zinc nitrate	UN1514	5.1	46	5.1	5.1	II	5 KG	25 KG
				9.2	48					
					109					
	3054.	Zinc permanganate	UN1515	5.1	46	5.1	5.1	II	5 KG	25 KG
					99					
	3055.	Zinc peroxide	UN1516	5.1	46	5.1	5.1	II	5 KG	25 KG
	3056.	Zinc phenolsulphonate	NA9160	9.2	49			III		
	2057	(RL-230)	ID11714	4.2	1.6	4.2	4.0			15 150
	3057.	Zinc phosphide	UN1714	4.3	46	4.3	4.3	I	P	15 KG
				6.1	99	6.1	6.1			
				9.2	102					
					109					
					112					
	2050	7: no novedon ou 7: un dend	I INT1 40 C	4.2	118	4.2	4.2	II	15 V.C	50 V.C
	3058.	Zinc powder or Zinc dust	UN1436	4.3	46 48	4.3	4.3	II	15 KG	50 KG
				4.2	48		4.2			

Table 4a Discarded		COL I	COL II Product	COL	COL IV	COL V IMO	COL VI ICAO	COL VII	COL† VIII Passenger	COL† IX
commercial chemicals (continued)	Item	Shipping Name and Description	identi- fication Number	Class- ifica- tion	Special Provi- sions	Class- ifica- tion	Class- ifica- tion	Pack- ing Group	Aircraft & Passenger Vehicles	Cargo Aircraft
	3059.	Zinc resinate	UN2714	4.1		4.1	4.1	III	25 KG	100 KG
	3060.	Zinc silicofluoride, <i>see</i> Zinc fluorosilicate, etc.								
	3061.	Zinc sulphate (RL-50)	NA9161	9.2	49			III		
	3062.	Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 micrometres but not thinner than 18 micrometers)	UN2858	4.1	48	4.1	4.1	III	25 KG	100 KG
	3063.	Zirconium, dry, finished sheets, strip <i>or</i> coiled wire (thinner than 18 micrometers)	UN2009	4.2	48 99	4.2	4.2	III	25 KG	100 KG
	3064.	Zirconium hydride	UN1437	4.1	48 56 99	4.1	4.1	II	15 KG	50 KG
	3065.	Zirconium nitrate	UN2728	5.1 9.2	109	5.1	5.1	III	25 KG	100 KG
	3066.	Zirconium picramate, wetted with not less than 20 percent water, by mass	UN1517	4.1	46 48 56 58 99	4.1	4.1	I	1 KG	15 KG
	3067.	Zirconium potassium fluoride (RL-230)	NA9162	9.2	49			III		

Table 4a Discarded commercial chemicals	Item	COL I Shipping Name and Description	COL II Product identi- fication Number	COL III Class- ifica- tion	COL IV Special Provisions	COL V IMO Class- ifica- tion	COL VI ICAO Class- ifica- tion	COL VII Pack- ing Group	COL† VIII Passenger Aircraft & Passenger Vehicles	COL† IX Cargo Aircraft
(continued)	3068.	Zirconium powder, dry (a) Mechanically produced, particle sizebetween 3 and 53 micrometres; (b) Chemically produced, paricle size between 10 and 840 micrometers	UN2008	4.2	46 48 56 64 83 99	4.2	4.2	II	15 KG	50 KG
	3071.	Zirconium powder, wetted with not less than 25 percent water (visible excess water must be present) (a) Mechanically produced, particle size less than 53 micrometers; (b) Chemically produced, particle size less than 840 micrometers	UN1358	4.1	46 48 56 83 99	4.1	4.1	П	15 KG	50 KG
	3072.	Zirconium scrap	UN1932	4.2	46 56 88 99	4.2	4.2	III	p	р
	3073.	Zirconium sulphate	NA9163	8 9.2	49 109	-	-	III	-	-
	3074.	Zirconium suspended in a liquid	UN1308	3.1	46 48 56 90 99	3.1	3	П	p	60 L
	3075.	Zirconium tetrachloride	UN2503	8		8	8	III	25 KG	100 KG

Table 4b
Discarded
commercial
chemicals

_		TDG		Special	Packing
Description and Shipping Name	PIN	Item No.	Class	Provisions	Group
Ammonium picrate, wetted uniformly	UN1310	207	4.1	10 46 48 58 99	I
with not less than 10 percent water, by mass					
Arsenic	UN1558	275	6.1	118	II
Arsenic acid, liquid, or Arsenic acid, solution	UN1553	276	6.1	46 102 118	I
Arsenic acid, solid	UN1554	277	6.1	118	II
Arsenic bromide	UN1555	290	6.1	118	II
Arsenic chloride, see Arsenic trichloride, etc.		291			
ARSENIC COMPOUNDS, LIQUID, N.O.S.*,	UN1556	292	6.1	46 48 94 109	I
including arsenates, n.o.s., arsenites, n.o.s.;			9.2	188	
arsenic					
sulphides, n.o.s.; and organic compounds of					
arsenic, n.o.s.					
ARSENIC COMPOUNDS, LIQUID, N.O.S.*,	UN1556	293	6.1	109 118	III
including arsenates, n.o.s., arsenites, n.o.s.;			9.2		
arsenic sulphides, n.o.s.; and organic compounds					
of arsenic, n.o.s.					
ARSENIC COMPOUNDS, LIQUID, N.O.S.*,	UN1556	294	6.1	109 118	III
including arsenates, n.o.s., arsenites,			9.2		
n.o.s.; arsenic sulphides, n.o.s.; and					
organic compounds of arsenic, n.o.s.					
ARSENIC COMPOUNDS, SOLID, N.O.S.*,	UN1557	295	6.1	46 48 93 109 118	I
including arsenates, n.o.s., arsenites,			9.2		
n.o.s.; arsenic sulphides, n.o.s.; and					
organic compounds of arsenic, n.o.s.					
ARSENIC COMPOUNDS, SOLID, N.O.S.*,	UN1557	296	6.1	109 188	II
including arsenates, n.o.s., arsenites,			9.2		
n.o.s.; arsenic sulphides, n.o.s.; and					
organic compounds of arsenic, n.o.s.					

Table 4b
Discarded
commercia
chemicals
(continued)

		TDG		Special	Packing
Description and Shipping Name	PIN	Item No.	Class	Provisions	Group
ARSENIC COMPOUNDS, SOLID, N.O.S.*,	UN1557	297	6.1	109 188	III
including arsenates, n.o.s., arsenites,			9.2		
n.o.s.; arsenic sulphides, n.o.s.; and					
organic compounds of arsenic, n.o.s.					
Arsenic iodide, solid, see		298			
ARSENIC COMPOUNDS, SOLID, N.O.S.*,					
etc.					
Arsenic pentoxide	UN1559	299	6.1	109 118	II
			9.2		
Arsenic sulphide(s), solid, see		301			
ARSENIC COMPOUNDS, SOLID, N.O.S.*,					
etc.					
Arsenic trichloride or Arsenic chloride	UN1560	302	6.1	46 109 118	I
			9.2		
Arsenic trioxide	UN1561	303	6.1	109 118	II
			9.2		
Arsine	UN1228	305	2.3	46 48 56 79 88	X
			2.1	99 102	
Barium cyanide	UN1565	337	6.1	46 102 109 118	I
			9.2		
Benzyl bromide	UN1737	380	6.1	46 56 99	II
			8		
Beryllium, powder	UN1567	392	6.1	46 48	II
•			4.1		
Bromoacetone, LIQUID	UN1569	434	6.1	46 48 88 99 102	II
Brucine	UN1570	454	6.1	89	I
Calcium cyanide	UN1575	568	6.1	46 102 109	I
·			9.2		
Camphene	NA9011	589	4.1	40	III
Carbon bisulphide, see Carbon disulphide, etc.		609			

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Table 4b	Description and Shipping Name	PIN	TDG Item No.	Class	Special Provisions	Packing Group
Discarded	Carbon disulphide <i>or</i> Carbon bisulphide	UN1131	618	3.1	46 56 99 102 109	I
commercial		01(1101	010	6.1	.000,77102107	_
chemicals				9.2		
(continued)	Chloroacetaldehyde	UN2232	653	6.1	99 102	II
	Copper cyanide	UN1587	779	6.1	46 102 118	II
	CYANIDE SOLUTIONS, n.o.s.*	UN1935	832	6.1	46 102 109	I
				9.2		
	CYANIDE SOLUTIONS, n.o.s.*	UN1935	833	6.1	102 109	II
				9.2		
	CYANIDE SOLUTIONS, n.o.s.*	UN1935	834	6.1	109	III
		TD14.500	025	9.2	46.102.100	
	CYANIDES, INORGANIC, N.O.S.*	UN1588	835	6.1	46 102 109	Ι
	CWANIDEG INODCANIC NO G *	I IN 11 7 0 0	026	9.2	102 100	
	CYANIDES, INORGANIC, N.O.S.*	UN1588	836	6.1	102 109	II
	CVANIDES INODCANIC NOS*	UN1588	837	9.2 6.1	109	III
	CYANIDES, INORGANIC, N.O.S.*	UN1388	837	9.2	109	111
	Cyanogen bromide	UN1889	838	6.1	46 48 56 90 99	I
	Cyanogen bronnae	0111007	030	8	102 118	1
	Cyanogen chloride	UN1589	839	2.3	33 46 48 56 79 88	X
	e, anogen emorae	01(150)	007	2.3	98 99	2.5
	Cyanogen, liquefied or Cyanogen, gas	UN1026	840	2.3	102 118	X

UN2670

UN1045

841

842

1400

2.1

8

2.3

5.1

Fluorine, compressed or Fluorine

Cyanuric chloride

Cyanuric triazide

46 48 56 79 88

46 48 56 88 99

99 102

102

Ш

X

Table 4b
Discarded
commercial
chemicals
(continued)

Description and Shipping Name	PIN	TDG Item No.	Class	Special Provisions	Packing Group
Fluoroacetic acid	UN2642	1401	6.1	46 56 99	I
HEXAETHYL TETRAPHOSPHATE, liquid	UN1611	1481	6.1	46 48 56 94 99 102 118	I
HEXAETHYL TETRAPHOSPHATE, liquid	UN1611	1482	6.1	46 48 56 99 102 118	II
HEXAETHYL TETRAPHOSPHATE, liquid	UN1611	1483	6.1	99 118	III
HEXAETHYL TETRAPHOSPHATE, solid	UN1611	1484	6.1	46 48 56 93 99 102 118	II
HEXAETHYL TETRAPHOSPHATE, solid	UN1611	1485	6.1	99 118	III
Hexaethyl tetraphosphate <i>and</i> compressed gas mixtures	UN1612	1486	2.3	46 48 56 88 99 102	X
Hexaethyl tetraphosphate mixture, dry (containing more than 2 percent hexaethyl tetraphosphate)	NA2783	1487		55	
Hexaethyl tetraphosphate mixture, liquid (Containing more than 25 percent hexaethyl tetraphosphate)	NA3018	1488		55	
Hydrogen cyanide, anhydrous, stabilized <i>or</i> Hydrocyanic acid, liquefied <i>or</i> Hydrocyanic acid, aqueous solutions, with more than 20 percent hydrogen cyanide	UN1051	1544	2.3 2.1	45 56 79 84 89 99 102 118	X
Hydrogen cyanide, anhydrous, stabilized, absorbed in a porous inert material	UN1614	1545	6.1	46 48 83 99 102 118	I
Mercuric acetate, see Mercury acetate, etc.		1772			_
Mercuric ammonium chloride, see Mercury ammonium chloride, etc.		1773			
Mercuric arsenate	UN1623	1774	6.1	118	II
Mercuric benzoate, see Mercury benzoate, etc.		1775			

Table 4b	<u> </u>
Discarded	Description
commercial	Mercuric b
chemicals	Mercuric cl
(continued)	
	Mercuric io
	Mercuric n

Description and Chinning Name	PIN	TDG Item No.	Class	Special Provisions	Packing
Description and Shipping Name	FIN		Class	Provisions	Group
Mercuric bromide, see Mercury bromides, etc.	IINI1 60 4	1776		5C 100 110	
Mercuric chloride	UN1624	1777	6.1	56 102 118	II
Mercuric iodide, see Mercury iodide, etc.		1778			
Mercuric nitrate	UN1625	1779	5.1	109 118	II
			6.1		
			9.2		
Mercuric oleate, see Mercury oleate, etc.		1780			
Mercuric oxide, see Mercury oxide, etc.		1781			
Mercuric oxycyanide, see		1782			
Mercury oxycyanide, desensitized, etc.					
Mercuric potassium cyanide	UN1626	1783	6.1	46 102 118	I
Mercuric potassium iodide,		1784			
see Mercury potassium iodide, etc.					
Mercuric subsulphate,		1785			
see MERCURY COMPOUNDS, etc.					
Mercuric sulphate	UN1645	1786	6.1	109 118	II
			9.2		
Mercuric thiocyanate,		1787			
see Mercury thiocyanate, etc.					
Mercurous acetate, see Mercury acetate, etc.		1788			
Mercurous bromide, see Mercury bromides, etc.		1790			
Mercurous iodide, see Mercury iodide, etc.		1791			
Mercurous nitrate	UN1627	1792	5.1	46 48 89 109 118	I
			6.1		
			9.2E		
Mercurous oxide, black,		1793			

Mercurous oxide, black, see Mercury oxide, etc.

Table 4b
Discarded
commercial
chemicals
(continued)

Description and Shipping Name	PIN	TDG Item No.	Class	Special Provisions	Packing Group
Mercurous sulphate	UN1628	1794	6.1	118	II
Mercury	UN2809	1795	8	46 48 95	II
Morroway	UN2809	1796	8	48 100	III
Mercury Mercury acetate <i>or</i> Mercuric acetate	UN1629	1790	6.1	118	II
or Mercurous acetate	UN1029	1797	0.1	110	11
Mercury ammonium chloride <i>or</i>	UN1630	1799	6.1	118	II
Mercuric ammonium chloride	0111030	1777	0.1	110	11
Mercury benzoate <i>or</i> Mercuric benzoate	UN1631	1810	6.1	118	II
Mercury bisulphate	UN1633	1811	6.1	118	II
Mercury bromides <i>or</i> Mercuric bromide	UN1634	1812	6.1	56	П
or Mercurous bromide				118	
MERCURY COMPOUNDS, LIQUID, N.O.S.*	UN2024	1813	6.1	46 94 109	I
· · · · · · · · · · · · · · · · · · ·			9.2		
MERCURY COMPOUNDS, LIQUID, N.O.S.*	UN2024	1814	6.1	109	II
			9.2		
MERCURY COMPOUNDS, LIQUID, N.O.S.*	UN2024	1815	6.1	109	III
			9.2		
MERCURY COMPOUNDS, SOLID, N.O.S.*	UN2025	1816	6.1	46 93 109	I
			9.2		
MERCURY COMPOUNDS, SOLID, N.O.S.*	UN2025	1817	6.1	109	II
			9.2		
MERCURY COMPOUNDS, SOLID, N.O.S.*	UN2025	1818	6.1	109	III
·			9.2		
Mercury cyanide or Mercuric cyanide	UN1636	1819	6.1	46 102 109 118	II
			9.2		
Mercury gluconate or Mercurous gluconate	UN1637	1820	6.1	118	II
Mercury iodide or Mercurous iodide	UN1638	1822	6.1	118	II

Table 4b
Discarded
commercial
chemicals
(continued)

_		TDG		Special	Packing
Description and Shipping Name	PIN	Item No.	Class	Provisions	Group
Mercury iodide, solution or	UN1638	1823	6.1	118	II
Mercuric iodide, solution					
Mercury nucleate	UN1639	1825	6.1		II
Mercury oleate <i>or</i> Mercuric oleate	UN1640	1826	6.1	118	II
	UN1641	1827	6.1	118	II
Mercury oxide, or Mercuric oxide	UN1041	1827	0.1	118	11
or Mercurous oxide, black	ID14 640	1020		1601110	***
Mercury oxycyanide, desensitized	UN1642	1828	6.1	46 84 118	II
or with phlegmatizer	ID11 (10	1020		110	***
Mercury potassium iodide or	UN1643	1829	6.1	118	II
Mercuric potassium iodide					
Mercury salicylate <i>or</i> Mercuric salicylate	UN1644	1830	6.1	118	П
Mercury thiocyanate or Mercuric thiocyanate	UN1646	1831	6.1	109 118	II
			9.2		
Methylhydrazine	UN1244	1915	3.2	46 56 90	I
			8		
Methyl isocyanate	UN2480	1920	6.1	46 48 99	I
•			3		
Napthylthiourea	UN1651	1984	6.1		II
Nickel carbonyl	UN1259	1992	6.1	46 48 56 99 102	I
•			3	118	
Nickel cyanide	UN1653	1996	6.1	40 109	III
•			9.2		
Nitric oxide	UN1660	2026	2.3	46 56 79 88 99	X
			5.1	102	
Nitric oxide <i>and</i> nitrogen tetroxide, mixtures	UN1975	2027	2.3	46 56 79 88 99	X
			5.1	102	
Nitroanilines (o-, m-, p-)	UN1661	2031	6.1		III
\ / / ! /					

Table 4b
Discarded
commercial
chemicals
(continued)

Description and Shipping Name	PIN	TDG Item No.	Class	Special Provisions	Packing Group
Nitrogen dioxide, liquefied <i>or</i>	UN1067	2055	2.3	46 56 79 88 99	X
Nitrogen dioxide, liquid <i>or</i> Nitrogen oxides,	UN1007	2033	5.1	102	Λ
n.o.s.* or Dinitrogen tetroxide, liquefied			3.1	102	
Osmium tetroxide	UN2471	2157	6.1	46 48 102 118	I
Phenyldichloroarsine,	01(2171	2267	0.1	10 10 102 110	1
see ARSENIC COMPOUNDS, etc		2201			
Phosgene or Diphosgene	UN1076	2292	2.3	46 56 79 88 99	X
r			8	102	
Phosphine	UN2199	2294	2.3	46 48 56 79 88	X
•			2.1	99 102	
Potassium cyanide, solid	UN1680	2373	6.1	46 102 109 118	I
•			9.2		
Potassium cyanide, solution	UN1680	2374	6.1	46 102 109 118	I
			9.2		
Propyleneimine, inhibited	UN1921	2428	3.2	46 48 56 84	I
Silver nitrate	UN1493	2551	5.1	48 109 110	II
			9.2		
Sodium azide	UN1687	2569	6.1	48	II
Sodium chloroacetate	UN2659	2578	6.1		III
Sodium chromate (RL-50)	NA9145	2579	6.1	46 102 118	I
Sodium cuprocyanide, solid	UN2316	2580	6.1	46 102 118	I
Sodium cuprocyanide, solution	UN2317	2581	6.1	46 102	I
Sodium cyanide, solid	UN1689	2582	6.1	46 102 109 118	I
			9.2		
Sodium cyanide, solution,		2583			
see CYANIDE SOLUTIONS, n.o.s.*					
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2705	6.1	46 48 56 93 99	I
DRY OR MIXTURE				102 118	

Table 4b
Discarded
commercia
chemicals
(continued)

		TDG		Special	Packing
Description and Shipping Name	PIN	Item No.	Class	Provisions	Group
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2706	6.1	48 56 99 102 118	II
DRY OR MIXTURE					
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2707	6.1	99 118	III
DRY OR MIXTURE					
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2708	6.1	46 48 56 94 99	I
LIQUID <i>OR</i> MIXTURE				102 118	
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2709	6.1	48 56 99 102 118	II
LIQUID <i>OR</i> MIXTURE					
TETRAETHYL DITHIOPYROPHOSPHATE,	UN1704	2710	6.1	99 118	III
LIQUID <i>OR</i> MIXTURE					
Tetraethyl dithiopyrophosphate and gases,	UN1703	2711	2.3	46 56 88 99 102	X
in solution <i>or</i> Tetraethyl dithiopyrophosphate					
and gases, mixtures					
Tetraethyl pyrophosphate	UN1705	2714	2.3	46 48 56 88 99	X
and compressed gas mixtures				102	
Tetranitromethane	UN1510	2735	5.1	46 48 56 99 102	I
Thallium chlorate	UN2573	2746	5.1	46 48 118	II
			6.1		
Thallium compounds, n.o.s.	UN1707	2747	6.1	89 108 118	II
			9.2		
Thallium nitrate	UN2727	2748	6.1	46 118	II
			5.1		
Thallium sulphate, solid,		2749			
see Thallium compounds, n.o.s.*					
Vanadium pentoxide	UN2862	2900	6.1	46 109	II
•			9.2		
Zinc cyanide	UN1713	3047	6.1	46 102 109 118	III