IS 1446 (2002): Classification of Dangerous Goods [CHD 8: Occupational Safety, Health and Chemical Hazards]

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भारतीय मानक

खतरनाक सामग्रियों का वर्गीकरण

(दूसरा पुनरीक्षण)

Indian Standard

CLASSIFICATION OF DANGEROUS GOODS

(Second Revision)

ICS 13.300

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
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FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Chemical Hazards Sectional Committee had been approved by the Chemical Division Council.

The handling of dangerous goods during transportation is regulated in order to prevent such goods from causing either accidents to persons or damage to the means of transport employed or to other goods. Keeping these objectives in view, this standard lists dangerous substances and classifies them according to risk involved so that appropriate precautions can be taken by the concerned agencies.

This standard was first published in 1959 based on the recommendations prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods, namely, Document ST/ECA/43/E/CN2/170 October 1956. First revision of this standard was published in 1985 incorporating the then latest recommendations of this UN Committee. Recently the UN have published tenth revised edition as ST/SG/AC 10/1/Rev. This revised standard incorporates the latest information from this UN document. There is no ISO standard on this subject.

Since there is no Indian Standard for determination of flammabillity of gases and gas mixtures in air, ISO 10156: 1996 'Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets' has been referred in Table 1, main risk classification No.2.1 and Annex A of this standard. This standard will be taken up for adoption as Indian Standard in due course of time.

While preparing this standard, it is recognized that the type of packing can have a decisive effect upon the hazard during transport. However, this aspect has not been covered in this standard and for the purpose reference should be made to the UN documents referred to in para.

The composition of the Committee responsible for formulation of this standard is given in Annex B.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

CLASSIFICATION OF DANGEROUS GOODS

(Second Revision)

1 SCOPE

This standard classifies chemicals and dangerous goods by the type of risk involved and lists the corresponding UN number to facilitate national and international transport.

2 TERMINOLOGY

2.1 For the purpose of this standard, the following definitions shall apply.

2.1.1 *Explosive Substance*

A solid or liquid substance (or a mixture of substances) which is in itself capable by chemical reaction of producing gas at such a temperature and presure and at such a speed as to cause damage to the surroundings. Pyrotechnic substances are included even when they do not evolve gases.

2.1.2 *Pyrotechnic Substance*

A substance or of a mixture of substances designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as the result of non-detonative self-sustaining exothermic chemical reactions.

2.1.3 *Explosive Article*

An article containing one or more explosive substances (*see also* 1.1 to 1.6 of Table 1).

2.1.4 *Gas*

A gas is a substance which:

a) at 50°C has a vapour pressure greater than 300 kPa; or

b) is completely gaseous at 20°C at a standard pressure of 101.3 kPa.

NOTE — For the transport condition, a gas is described according to its physical state as follows (*see also* 2.1 to 2.3 of Table 1):

a) *Compressed gas* — A gas (other than in solution) which when packaged under pressure for transport is entirely gaseous at 20°C;

b) *Liquefied gas* — A gas which when packaged for transport is partially liquid at 20°C;

c) *Refrigerated liquefied gas* — A gas which is liquefied by refrigeration and maintained at or near its boiling point at atmospheric pressure; or

d) *Gas in solution* — Compressed gas which when packaged for transport is dissolved in a solvent.

2.1.5 *Flammable Liquids*

Liquids, or mixtures of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers, etc, but not including substances otherwise classified on account of their dangerous characteristics) which gives off a flammable vapour at temperatures of not more than 60.5°C. Closed-cup test, or not more than 65.6°C, open-cup test, normally referred to as the flash point. This also includes:

a) Liquids offered for transport at temperatures at or above their flash point, and

b) Substances that are transported or offered for transport at elevated temperatures in a liquid state and which give off a flammable vapour at a temperature at or below the maximum transport temperature.

2.1.6 *Flammable Solids*

Solids which under conditions encountered in transport, are readily combustible or may cause or contribute to fire through friction, self-reactive substances which are liable to undergo a strongly exothermic reaction; desensitized explosives which may explode if not diluted sufficiently.

2.1.7 *Oxidizing Substances*

Substances which, while in themselves not necessarily combustible, may generally by yielding oxygen, cause, or contribute to, the combustion of other material.

2.1.8 *Organic Peroxides*

Organic substances which contain the bivalent O-O structure and may be considered derivatives of hydrogen peroxide, where one or both of the hydrogen atoms have been replaced by organic radicals. Organic peroxides are thermally unstable substances, which may undergo exothermic self-accelerating decomposition. In addition, they may have one or more of the following properties:

a) Be liable to explosive decomposition,

b) Burn rapidly,

c) Be sensitive to impact or friction,

d) React dangerously with other substances, and

e) Cause damage to the eyes.

2.1.9 *Toxic Substances*

Substances liable either to cause death or serious injury or to harm human health if swallowed or inhaled or by skin contact.

2.1.10 *Infectious Substances*

Substances known or reasonably expected to contain pathogens. Pathogens are defined as micro-organisms (including bacteria, viruses, rickettsiae, parasites, fungi) or recombinant micro-organisms (hybrid or mutant), that are known or reasonably expected to cause infectious disease in animals or humans.

2.1.11 *Radioactive Material*

Any material containing radionuclides where both the activity concentration and the total activity in the consignment exceed the values specified in paragraphs 401-406 of the Regulations for Safe Transport of Radioactive Material (1996 edition) IAEA Safety Standards Series No : ST-1.

2.1.12 *Corrosive Substance*

Substances which by chemical action will cause severe damage when in contact with living tissue or in the case of leakage will materially damage or even destroy, other goods or the means of transport, they may also cause other hazards.

2.1.13 *Miscellaneous Dangerous Substances and Articles*

Substances and articles which during transport present a danger not covered by other classes. This class includes *inter alia* substances that are transported or offered for transport at temperatures equal to or exceeding 100°C in a liquid state or at temperatures equal to or exceeding 240°C in a solid state.

3 CLASSIFICATION OF HAZARDS

3.1 Dangerous goods shall be classified according to the principal hazards involved, as given in Table 1. The order of the classes is not the order of degree of danger. Table 2 gives the classification of additional subrisks, and Table 3 gives the risk classification of chemical substances and dangerous goods in an alphabetical order giving the risk classification (main and subsidiary) and the UN number. Main risk may also become a subsidiary risk in some cases.

NOTE — The abbreviation N.O.S. denotes 'Not otherwise specified'.

3.2 Additional entries shall be made in Table 3 as and when the recommendations prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods or other authentic source are available.

Table 1 Classification of Risks

(*Clauses* 2.1.3, 2.1.4 *and* 3.1)

Main Risk Classification Number	Risk
(1)	(2)
1	Explosives
1.1	Substances and articles which have a mass explosion hazard that is, one which affects virtually the entire load practically instantaneously.
1.2	Substances and articles which have a projection hazard but not a mass explosion hazard.
1.3	Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both but not a mass explosion hazard. This division comprises of substances and articles: a) which give rise to considerable radiant heat,or b) which burn one after another producing minor blast or projection effects or both.
1.4	Substances and articles which present no significant hazard, but only a small hazard in the event of ignition or initiation during transport. That is, the effects are confined largely to the package and no projection of fragments of appreciable size or range is to be expected. An external fire must not cause practically instantaneous explosion of virtually the entire contents of the package.
1.5	Very insensitive substances, that is, substances which have a mass explosion hazard, but so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport. NOTE — The probability of transition from burning to detonation in greatest when large quantities are carried in a ship.
1.6	Extremely insensitive articles which do not have a mass explosion hazard that is which contain only extremely insensitive detonation a negligible probability of accidental condition. NOTE — The risk for article of this division is limited to the explosion of a single article.

Table 1 (*Continued*)

Main Risk Classification Number	Risk
(1)	(2)
2	Gases
2.1	Flammable gases Gases which at 20°C and a standard pressure of 101.3 kPa a) are ignitable when in a mixture of 13 percent or less by volume with air, or b) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit. Flammability shall be determined by tests or by calculation in accordance with methods given in ISO 10156
2.2	Non-flammable, non-toxic gases Gases which are transported at a pressure not less than 280 kPa at 20°C or as refrigerated liquids, and which: a) are asphyxiant — gases which dilute or replace the oxygen normally in the atmosphere, or b) are oxidizing — gases which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does, or c) do not come under the other division.
2.3	Toxic gases Gases which: a) are known to be so toxic or corrosive to humans as to pose a hazard to health, or b) are presumed to be toxic or corrosive to humans because they have an LC_{50} value equal to or less than 5 000 ml/m^3 (ppm).
3	Flammable liquids (*see* **2.1.5**)
4	Flammable solids; substances liable to spontaneous combustion; substances which, on contact with water, emit inflammable gases.

Table 1 (*Concluded*)

Main Risk Classification Number	Risk
(1)	(2)
4.1	Flammable solids — Solids, which under conditions encountered in transport, are readily combustible, or may cause or contribute to fire through friction, self-reactive substances which are liable to undergo a strongly exothermic reaction, desensitized explosives which may explode if not diluted sufficiently.
4.2	Substances liable to spontaneous combustion — Substances which are liable to spontaneous heating under normal conditions encountered in transport, or to heating up in contact with air, and being then liable to catch fire.
4.3	Substances which, in contact with water, emit flammable gases — Substances which, by interaction with water, are liable to become spontaneously flammable or to give off flammable gases in dangerous quantities.
5	Oxidizing substances and organic peroxides
5.1	Oxidizing substances other than organic peroxides
5.2	Organic peroxides (*see* **2.1.8**)
6	Poisonous (toxic) and infectious substances
6.1	Poisonous (toxic substances)
6.2	Infectious substances — Substances containing disease producing micro-organisms
7	Radioactive substances
8	Corrosives substances
9	Miscellaneous dangerous substances and articles

Table 2 Classification of Subrisks

(*Clause* 3.1)

Symbol	Description
(1)	(2)
+	Explosive hazards inherent in Classes 1, 3 and 4.1
E	Used for organic peroxides (*see* Class 5.2). Denotes that the substance has explosive properties.
I	Used for organic peroxides (*see* Class 5.2). Denotes that the substance is particularly harmful to the eyes.

Table 3 Risk Classification of Chemical Substances and Dangerous Goods

(*Clauses* 3.1 *and* 3.2)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1.	Acetal	3		1088
2.	Acetaldehyde	3		1089
3.	Acetaldehyde ammonia	9		1841
4.	Acetaldehyde oxime	3		2332
5.	Acetic acid, glacial or over 80 percent solution by mass	8		2789
6.	Acetic acid exceeding 10 percent but not exceeding 80 percent solution by mass	8		2790
7.	Acetic anhydride	8		1715
8.	Acetylene dissolved	2.1		2621
9.	Acetone	3		1090
10.	Acetone cyanohydrin	6.1		1541
11.	Acetone oils	3		1091
12.	Acetonitrile	3	6.1	1648
13.	Acetyl acetone peroxide, *Max* 40 percent in solution	5.2		2080
14.	Acetyl benzoyl peroxide, *Max* 40 percent in solution	5.2		2081
15.	Acetyl bromide	8		1716
16.	Acetyl chloride	3	8	1717
17.	Acetyl cyclohexane sulphonyl peroxide, *Max* 82 percent wetted with *Min* 12 percent water *Max* 32 percent in solution	5.2	E	2082 2083
18.	Acetylene, dissolved	2.1		1001
19.	Acetylene tetrabromide	6.1		2504
20.	Acetylene tetrachloride	6.1		1702
21.	Acetyl iodide	8	6.1	1898
22.	Acetyl methyl carbinol	3		2621
23.	Acetyl peroxide, *Max* 27 percent solution (dimethylphthalate or other approved phlegmatizer)	5.2	1	2084
24.	Acid mixtures, hydrofluoric and sulphuric	8	6.1	1786
25.	Acid mixtures, nitrating acid	8		1796
26.	Acid mixtures (nitrating acid), spent	8		1826
27.	Acraldehyde	3	6.1	1092
28.	Acridine	4.1		2713
29.	Acrolein dimer, stabilized	3		2607
30.	Acerolein, inhibited	3	6.1	1092

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
31.	Acrylamide	6.1		2074
32.	Acrylic acid, inhibited	8		2218
33.	Acrylonitrile, inhibited	3	6.1	1093
34.	Activated carbon	4.2		1362
35.	Activated charcoal	4.2		1362
36.	Adiponitrile	6.1		2205
37.	Aerosols	2		1950
38.	Air compressed	2.2		1002
39.	Aircraft thrust device for assisted take off	4		2701
40.	Air, refrigerated liquid	2.2	5.1	1003
41.	Alarm devices, automatic (auto-alarms) explosive	1.4	+	0001
42.	Alcohols, toxic, N.O.S.	3	6.1	1986
43.	Alcohols, non-toxic, N.O.S.	3		1987
44.	Aldehydes, toxic, N.O.S.	3	6.1	1988
45.	Aldehydes, non-toxic, N.O.S.	3		1989
46.	Aldol	6.1		2839
47.	Alkali metal amalgams, N.O.S.	4.3		1389
48.	Alkali metal amides, N.O.S.	4.3		1390
49.	Alkali and alkali earth metal dispersions, N.O.S.	4.3		1391
50.	Alkali metal, liquid alloys of	4.3		1421
51.	Alkaline earth metal amalgams, N.O.S.	4.3		1392
52.	Alkaloids, poisonous, and their alkaloids, poisonous, and their salts N.O.S.	6.1		1544
53.	Alkanesulphonic acids, N.O.S. containing not more than 5 percent sulphuric acid	8		2544
54.	Alkylamines and polyamines flash point below 32°C and boiling point above 35°C but not more than 200°C, N.O.S.	3		2733
55.	Alkylamines and polyamines flash point 32°C or above and boiling point above 35°C but not more than 200°C, N.O.S.	8		2734
56.	Alkylamines and polyamines flash point 32°C or above and boiling point more than 200°C, N.O.S.	8		2735
57.	Alkyl, aryl, and toluene sulphonic acids, solid, containing more than 5 percent of free sulphuric acid	8		2583
58.	Alkyl, aryl, and toluene sulphonic acids, liquid, containing more than 5 percent of free sulphuric acid	8		2584
59.	Alkyl, aryl, and toluene sulphonic acids, solid, containing not more than 5 percent of free sulphuric acid	8		2585

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
60.	Alkyl, aryl, and toluene sulphonic acid, liquid containing not more than 5 percent of free sulphuric acid	8		2586
61.	Alkyl phenols N.O.S. (including C_2 to C_5 homologues)	6.1		2430
62.	Allene	2.1	3	2200
63.	Alloys of alkaline earth metals, non-pyrophoric, N.O.S.	4.3		1393
64.	Allyl acetate	3	6.1	2333
65.	Allyl alcohol	3	6.1	1098
66.	Allyl amine	3	6.1	2334
67.	Allyl bromide	3	6.1	1099
68.	Allyl chloride	3	6.1	1100
69.	Allyl chloroformate	8	6.1	1722
70.	Allyl ether	3	6.1	2360
71.	Allyl ethyl ether	3	6.1	2360
72.	Allyl formate	3	6.1	2336
73.	Allyl glycidyl ether	3	6.1	2219
74.	Allyl iodide	3	8	1723
75.	Allyl *iso*-thiocyanate, inhibited	6.1		1545
76.	Allyl trichlorosilane, stabilized	8		1724
77.	Aluminium alkyl halides in solution	4.2		2220
78.	Aluminium alkyl halides, pure	4.2		2221
79.	Aluminium borohydride and devices containing aluminium borohydride	4.2	4.3	2870
80.	Aluminium bromide, anhydrous	8		1725
81.	Aluminium bromide, solution	8		2580
82.	Aluminium carbide	4.3		1394
83.	Aluminium chloride, anhydrous	8		1726
84.	Aluminium chloride solution	8		2581
85.	Aluminium diethyl monochloride	4.2		1101
86.	Aluminium ferrosilicon powder	4.3	6.1	1395
87.	Aluminium hydride	4.3		2463
88.	Aluminium nitrate	5.1		1438
89.	Aluminium phosphide	4.3	6.1	1397
90.	Aluminium powder, coated, containing 20 percent or more of material with a particle size less than 250 μm	4.1		1309
91.	Aluminium powder, uncoated	4.3		1396

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
92.	Aluminium resinate	4.1		2715
93.	Aluminium silicon powder, uncoated	4.3		1398
94.	Aluminium triethyl	4.2		1102
95.	Aluminium trimethyl	4.2		1103
96.	Amatols	1.1	+	0082
97.	Aminobutane	3		1125
98.	2-Amino-4-chlorophenol	6.1		2673
99.	N-Aminoethylpiperazine	8		2815
100.	1-Amino-2-nitrobenzene	8		2815
101.	1-Amino-3-nitrobenzene	6.1		1661
102.	1-Amino-4-nitrobenzene	6.1		1661
103.	Aminophenols (*o*-,*m*-,*p*-)	6.1		2512
104.	Aminopyridines (*o*-,*m*-,*p*-)	6.1		2671
105.	Ammonia, anhydrous, liquefied and ammonia solution having a relative density of less than 0.880 at 15°C in water, containing over 50 percent ammonia	2.3	2.1	1005
106.	Ammonia solution having a relative density between 0.880 and 0.957 at 15°C in water, containing more than 35 percent ammonia	2.3		2672
107.	Ammonia solution having a relative density of less than 0.880 at 15°C in water, containing more than 35 percent and not above 50 percent ammonia	2.2		2072
108.	Ammonium arsenate	6.1		1546
109.	Ammonium bichromate	5.1		1439
110.	Ammonium bifluoride	8		1727
111.	Ammonium bifluoride solution	8		2817
112.	Ammonium bisulphate			2506
113.	Ammonium dichromate	5.1		1439
114.	Ammonium dinitro-*o*-cresolate	6.1		1843
115.	Ammonium fluoride	6.1		2505
116.	Ammonium fluorosilicate	6.1		2854
117.	Ammonium hydrogendifluoride	8		1727
118.	Ammonium hydrogen flurodie solution	8		2817
119.	Ammonium hydrogen sulphate	8		2506
120.	Ammonium metavanadate	6.1		2859
121.	Ammonium nitrate containing more than 0.2 percent of combustibe substances, including any organic substance calculated as carbon to the exclusion of any other added substances	1.1	+	0222

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
122.	Ammonium nitrate containing not more than 0.2 percent of combustible substances, including any organic substance calcuated as carbon to the exclusion of any other added substances	5.1		1942
123.	Ammonium nitrate explosives	1.1	+	0223
124.	Ammonium nitrate fertilizer which is more liable to explode than ammonium nitrate containing 0.2 percent of combustible substances, including any organic substance calcuated as carbon to the exclusion of any other added substances	1.1	+	0223
125.	Ammonium nitrate fertilizers: Uniform non-segregating mixtures of ammonium nitrate with added matter which is inorganic and chemically inert towards ammonium nitrate containing not less than 90 percent of ammonium nitrate and not more than 0.2 percent of combustible material (including organic material calculated as carbon) or containing less than 90 percent but more than 70 percent of ammonium nitrate and not more than 0.4 percent of total combustible material	5.1		2067
126.	Ammonium nitrate fertilizers: Uniform non-segregating mixtures of ammonium nitrate with calcium carbonate and/or dolomite containing more than 80 percent but less than 90 percent of ammonium nitrate and not more than 0.4 percent of total combustible material	5.1		2068
127.	Ammonium nitrate fertilizers: Uniform non-segregating mixtures of ammonium nitrate/ ammonium sulphate containing more than 45 percent but not more than 70 percent of ammonium nitrate and containing not more than 0.4 percent of total combustible material	5.1		2069
128.	Ammonium nitrate fertilizers: Uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/ potash types or complete fertilizers of nitrogen/phosphate/potash type, containing more than 70 percent but less than 90 percent of ammonium nitrate and not more than 0.4 percent of total combustible material	5.1		2070
129.	Ammonium nitrate fertilizers: Uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, containing not more than 70 percent of ammonium nitrate and not more than 0.4 percent of total added combustible material or containing not more than 45 percent of ammonium nitrate with unrestricted combustible material	8		2071
130.	Ammonium nitrate, liquid (hot concentrated solution)	5.1		2426
131.	Ammonium perchlorate	5.1		1442
132.	Ammonium perchlorate having average particle size of less than 45 μm	1.1	+	0402

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
133.	Ammonium persulphate	5.1		1444
134.	Ammonium picrate, wetted with, by mass at least 10 percent water	4.1		1310
135.	Ammonium picrate dry or containing by mass, less than 10 percent water	1.1	+	0004
136.	Ammonium polysulphide solution	8	6.1	2818
137.	Ammonium polyvanadate	6.1		2861
138.	Ammonium silicofluoride	6.1		2854
139.	Ammonium sulphide solution	8	6.1	2683
140.	Ammunition, blank	1.1		0326
		1.3		0327
		1.4		0338
		1.4		0014
141.	Ammunition, illuminating, with or without burster, expelling charge or propelling charge	1.2		0171
		1.3	+	0254
		1.4	+	0297
142.	Ammunition, incendiary, liquid or gel with burster, expelling charge or propelling charge	1.3	+	0247
143.	Ammunition, incendiary (other than water-activated ammunition), without white phosphorus or phosphides, with or without burster, expelling charge or propelling charge	1.2	+	0009
		1.3	+	0010
		1.4	+	0300
144.	Ammunition incendiary (water-activated contrivances) with burster, expelling charge or propelling charge	1.2		0248
		1.3	+	0249
145.	Ammunition incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.2	+	0243
		1.3	+	0244
146.	Ammunition, industrial	1.3	+	0277
		1.4	+	0278
		1.3	+	0275
		1.4	+	0276
		1.4	+	0323
147.	Ammunition, lachrymatory	6.1		2017
		1.2		0018
		1.3		0019
		1.4		0301
148.	Ammunition, practice	1.4	+	0362
149.	Ammunition, proof	1.4	+	0363
150.	Ammunition, SA (small arms)	1.4		0014
		1.4		0012
		1.1		0015
		1.1		0006
		1.2		0007
		1.2		0321
		1.2		0328
151.	Ammunition, smoke (other than water-activated ammunition), white phosphorus, with burster, expelling charge or propelling charge	1.2		0245
		1.3	+	0246

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
152.	Ammunition, smoke (other than water-activated ammunition), without white phosphorus or phosphides, with or without burster, expelling charge or propelling charge	1.3 1.4	+ +	0016 0303
153.	Ammunition, sporting	1.4 1.2 1.4	 +	0012 0328 0339
154.	Ammunition, toxic, non-explosive with neither burster nor expelling charge, non-fused	6.1		2016
155.	Ammunition,toxic (other than water activated ammunition) with burster expelling charge or propelling charge	1.2 1.3		0020 0021
156.	Ammunition, toxic (water activated ammunition) with burster, expelling charge or propelling charge	1.2	6.1	0248
157.	Amylacetates	3		1104
158.	Amyl acid phosphate	8		2818
159.	Amyl alcohols	3		1105
160.	Amyl aldehyde	3		2058
161.	Amylamine	3		1106
162.	Amyl butyrates	3		2620
163.	Amyl chloride	3		1107
164.	Amylene, normal	3		1108
165.	Amyl formates	3		1109
166.	Amyl mercaptan	3		1110
167.	Amyl methyl ketone	3		1111
168.	Amyl nitrate	3		1112
169.	Amyl nitrite	3		1113
170.	*Tert*-amyl per-neo-decanonate with at least 25 percent phlegmatizer	5.2		2891
171.	*Tert*-amylperoxy-2-ethylhexanote technical pure	5.2		2898
172.	Amyltrichlorosilane	8		1728
173.	Anaesthetic ether	3		1155
174.	Aniline	6.1		1547
175.	Aniline chloride	6.1		1548
176.	Aniline hydrochloride	6.1		1548
177.	Aniline oil	6.1		1547
178.	Aniline salt	6.1		1548
179.	*o*-Anisidine	6.1		2431
180.	Anisole	3		2222
181.	Anisoyl chloride	8		1729

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
182.	Antimonious chloride	8		1733
183.	Antimony compounds, inorganic N.O.S.	6.1		1549
184.	Antimony hydride	2.3	6.1	2676
185.	Antimony lactate	6.1		1550
186.	Antimony potassium tartrate	6.1		1551
187.	Antimony pentachloride liquid	8		1730
188.	Antimony pentachlorde in solution	8		1731
189.	Antimony pentafluoride	8	6.1	1732
190.	Antimony perchloride	8		1730
191.	Antimony perchloride in solution	8		1731
192.	Antimony powder	6.1		2871
193.	Antimony trichloride	8		1733
194.	Antu	6.1		1651
195.	Argon,compressed	2.2		1006
196.	Argon, refrigerated liquid	2.2		1951
197.	Arsenic acid, liquid	6.1		1553
198.	Arsenic acid, solid	6.1		1554
199.	Arsenical dust	6.1		1562
200.	Arsenical flue dust	6.1		1562
201.	Arsenical pesticides (compounds and preparations) toxic	6.1		2759
202.	Arsenical pesticides (compounds and preparations) liquid, toxic N.O.S. flash point below 32°C	6.1	3	2760
203.	Arsenic bromide	3	6.1	1555
204.	Arsenic chloride	6.1		1560
205.	Arsenic compounds, liquid, N.O.S. including; arsenates, N.O.S., arsenites, N.O.S., arsenic sulphides, N.O.S. and organic compounds of arsenic, N.O.S.	6.1		1556
206.	Arsenic compounds, solid, N.O.S. including; arsenates, N.O.S., arsenites, N.O.S., arsenic sulphides, N.O.S., and organic compounds of arsenic, N.O.S.	6.1		1557
207.	Arsenic fuming liquid	6.1		1560
208.	Arsenic metal	6.1		1558
209.	Arsenic pentoxide	6.1		1559
210.	Arsenic trichloride	6.1		1560
211.	Arsenic trioxide	6.1		1561
212.	Arsenious chloride	6.1		1560

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
213.	Arsenous chloride	6.1		1560
214.	Arsine	2.3	2.1	2188
215.	Articles, explosive, N.O.S.	1.1	+	0354
		1.2	+	0355
		1.3	+	0356
		1.4	+	0350
		1.4	+	0351
		1.4	+	0352
		1.4	+	0353
		1.4	+	0349
216.	Articles, pyrophoric	1.2	+	0380
217.	Aryl sulphonic acids, N.O.S. containing not more than 5 percent sulphonic acid	8		2543
218.	Aryl, alkyl and toluene sulphonic acid	8		1899
		8		2223
		8		2499
		8		2540
		8		2543
		8		2544
219.	Asbestos, blue	9		2212
220.	Asbestos, white	9		2590
221.	Auto alarms	1.4	+	0001
222.	Bag charges	1.1		0279
		1.3	+	0242
223.	Bag having contained sodium nitrate, empty, unwashed	4.4		1359
224.	Ballistite	1.1	+	0160
		1.3	+	0161
225.	Bangalore torpedoes	1.1	+	0136
		1.1	+	0137
		1.2	+	0138
		1.2	+	0294
226.	Barium alloys, pyrophoric	4.3		1854
227.	Barium alloys, non-pyrophoric	4.3		1399
228.	Barium azide, wetted with, at least 50 percent water or alcohol	4.1	6.1	1571
229.	Barium azide, dry or containing, by mass, less than 50 percent water or alcohol	1.1	+	0224
230.	Barium binoxide	5.1	6.1	1449
231.	Barium bromate	5.1	6.1	2719
232.	Barium chlorate	5.1	6.1	1445
233.	Barium compounds, N.O.S., except barium sulphate	6.1		1564
234.	Barium cyanide	6.1		1565
235.	Barium dioxide	5.1	6.1	1449

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
236.	Barium hypochlorite containing more than 22 percent available chlorine	5.1		2741
237.	Barium metal, non-pyrophoric	4.3		1400
238.	Barium nitrate	5.1	6.1	1446
239.	Barium oxide	6.1		1884
240.	Barium perchlorate	5.1	6.1	1447
241.	Barium permanganate	5.1	6.1	1448
242.	Barium peroxide	5.1	6.1	1449
243.	Barium selenate	6.1		2630
244.	Barium selenite	6.1		2630
245.	Barium superoxide	5.1	6.1	1449
246.	Batteries, electric, storage (accumulators, electric) wet, filled with acid	8		2794
247.	Batteries, electric, storage (accumulators, electric) wet, filled with alkali	8		2795
248.	Batteries, electric, storage (accumulators, electric) wet of the non-spillable type	8		2800
249.	Battery fluid, acid (electrolyte)	8		2796
250.	Battery fluid, alkali (electrolyte)	8		2797
251.	Benzalchloride	6.1		1886
252.	Benzaldehyde	9		1990
253.	Benzene	3		1114
254.	1,4-Benzenediol	6.1		2662
255.	Benzene sulphonyl chloride	8		2225
256.	Benzene sulphohydrazide	4.1		2970
257.	Benzenethiol	6.1	3	2337
258.	Benzidine	6.1		1885
259.	Benzine	3		1115
260.	Benzoic derivative pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1		2770
261.	Benzoic derivative pesticides	6.1		2769
262.	Benzol	3		1114
263.	Benzolene	3		1271
264.	Benzonitrile	6.1		2224
265.	Benzoquinone	6.1		2587
266.	Benzosulphochloride	8		2225
267.	Benzotrichloride	8		2226

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
268.	Benotrifluoride	8		2338
269.	Benzoyl chloride	8		1736
270.	Benzoyl peroxide			
	technical pure or more than 52 percent with inert solid	5.2	E	2085
	not more than 72 percent as a paste	5.2		2087
	more than 77 percent but less than 95 percent with water	5.2		2086
	from 30 percent to maximum 52 percent with inert solid	5.2		2089
	not more than 77 percent with water	5.2		2090
271.	Benzyl bromide	8		1737
272.	Benzyl chloride	6.1	8	1738
273.	Benzyl chloroformate	8		1739
274.	Benzyl cyanide, liquid	6.1		2470
275.	Benzyl dimethylamine	8		2619
276.	Benzylidene chloride	6.1		1886
277.	Benzyl iodide	6.1		2653
278.	Beryllium compounds	6.1		1566
279.	Beryllium metal powder	6.1	4.1	1567
280.	Beryllium nitrate	5.1	6.1	2464
281.	Bifluorides, N.O.S.	8		1740
282.	Bipyridilium pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2782
283.	Bipyridilium pesticides (compounds and preparations) toxic, N.O.S.	6.1		2781
284.	Bis-(4-*tert*-butyl cyclohexyl) peroxydicarbonate, technical pure	5.2		2154
285.	Bis-(4-*tert*-butyl cyclohexyl) peroxydicarbonate, maximum 42 percent, stable dispersion in water	5.2		2894
286.	2, 2-Bis-(*t*-butyl peroxy) butane, *Max* 55 percent in solution	5.2		2111
287.	1, 1-Bis-(*tert*-butyl peroxy)-cyclohexane, technical pure	5.2	E	2179
		5.2		2897
	with at least 50 percent phlegmatizer *Max* 77 percent in solution	5.2	E	2180
	(wetted with at least 13 percent phlegmatizer and 47 percent inorganic solid)	5.2		2885
288.	1, 2-Bis-(*tert*-butyperoxy)-cyclohexane, maximum 77 percent in solution	5.2	E	2181
289.	1, 4-Bis-(*tert*-butylperoxy *iso*-propyl) benzene, 1, 3-Bis-(2-*tert*-butylproxy *iso*-propyl) benzene and mixtures there of technical pure or more than 40 percent with inert sold	5.2		2112
290.	*Tert*-butylperoxy-2-ethylhexanoate with at least 50 percent phlegmatizer	5.2		2888

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
291.	*tert*-butylperoxy-2ethylhexanote, maximum concentration 30 percent and 2, 2-Bis- (*tert*-butylperoxy) butane, maximum concentration 35 percent , with at least 35 percent phlegmatizer	5.2		2886
	maximum concentration 12 percent and 2, 2-Bis-(*tert*-butylperoxy) butane, maximam concentration 14 percent with at least 14 percent phlegmatizer and 60 percent inorganic solid	5.2		2887
292.	1, 1-Bis-(*tert*-butylperoxy) -3, 3, 5-trimethyl cyclohexane, technical pure	5.2		2145
	Max 57 percent in solvent	5.2		2146
	Max 58 percent with inert solid	5.2		2147
293.	2, 2-Bis-(4, 4-*ditert*-butylperoxy cyclohexyl) propane *Max* 42 percent with inert solid	5.2		2168
294.	2, 2-Bis-(*tert*-butylperoxy) propane with at least 50 percent phlegmatizer	5.2		2883
	with at least 13 percent phlegmatizer and 47 percent inert inorganic solid	5.2		2884
295.	1, 2-Bis-(dimethylamino) ethane	3		2372
296.	Bis-(1-hydroxy cyclohexyl) peroxide, technical pure	5.2		2148
297.	Bis-*iso*-tridecyl-peroxdicarbonate, technical pure	5.2		2889
298.	Bis-(2-methylbenzoyl) peroxide with at least 15 percent water	5.2	E	2593
299.	Bis-(3, 5, 5-trimethyl-1, 2-dioxolanyl-3) - peroxide as a paste with at least 50 percent phlegmatizer	5.2		2597
300.	Bis-(3, 5, 5-trimethylhexanoyl) peroxide technical pure or in solution	5.2		2128
301.	Bisulphites, inorganic, aqueous solutions of, N.O.S.	8		2693
302.	*BHUSA*	4.1	4.2	1327
303.	Black powder, granular or as a meal	1.1	+	0027
304.	Black powder, compressed (in pellets)	1.1	+	0028
305.	Blasting cap assemblies, non-electric	1.1		0360
306.	Blasting cap assemblies, non-electric	1.4		0361
307.	Blasting caps (detonators for blasting), electric	1.1	+	0030
		1.4	+	0255
308.	Blasting caps (detonators for blasting), non-electric	1.1	+	0029
		1.4	+	0267
309.	Blau gas	2.1	6.1	2600
310.	Blue asbestos	9		2212
311.	Bombs, containing inflammable liquid, with bursting charge	1.1	+	0399
		1.2	+	0400
312.	Bombs, photo-flash	1.1	+	0037
		1.1	+	0038
		1.2	+	0039
		1.3	+	0299

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
313.	Bombs, smoke, containing a corrosive liquid, non-explosive,without initiating device	8		2028
314.	Bombs, with bursting charge	1.1	+	0033
		1.1	+	0034
		1.2	+	0035
		1.2	+	0291
315.	Boosters, with detonator	1.1	+	0225
		1.2	+	0268
316.	Boosters, without detonator	1.1	+	0042
		1.2	+	0283
317.	Borate and chlorate mixtures	5.1		1458
318.	Bordeaux arsenites, liquid and solid	6.1		1568
319.	Borneol	4.1		1312
320.	Boron tribromide	8		2692
321.	Boron trichloride	2.3	8	1741
322.	Boron trifluoride	2.3	8	1008
323.	Boron trifluoride acetic acid complex	8		1742
324.	Boron trifluoride diethyletherate	3	8	2604
325.	Boron trifluoride dihydrate	8		2851
326.	Boron trifluoride dimethyletherate	4.3	8	2965
327.	Boron trifluoride propionic acid complex	8		1743
328.	Brake fluid, hydraulic	3		1118
329.	*w*-Bromoacetophenone	6.1		2645
330.	Bromates, inorganic, N.O.S.	5.1		1450
331.	Bromine and solutions of bromine	8	6.1	1744
332.	Bromine chloride	2.3	6.1	2901
333.	Bromine pentafluoride	5.1	6.1 8	1745
334.	Bromine trifluoride	5.1	6.1 8	1746
335.	Bromoacetic acid	8		1938
336.	Bromoacetone	6.1		1569
337.	Bromoacetyl bromide	8		2513
338.	Bromobenzene	3		2514
339.	Bromobenzyl cyanides	6.1		1694
340.	2-Bromobutane	3		2339
341.	Bromochloromethane	6.1		1887
342.	1-Bromo-2, 3 epoxypropane	6.1		2558
343.	2-Bromoethyl ethylether	3		2340

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
344.	Bromoform	6.1		2515
345.	Bromomethane	2.3		1062
346.	1-Bromo-3-methylbutane	3		2341
347.	Bromomethylpropanes	3		2342
348.	2-Bromopentane	3		2343
349.	Bromopropanes	3		2344
350.	3-Bromopropyne	3		2345
351.	Bromotrifluoroethylene	2.3		2419
352.	Bromotrifluoromethane	2.3		1009
353.	Brucine	6.1		1570
354.	Bursters, explosive	1.1	+	0043
355.	Butadiene, inhibited	2.1	3	1010
356.	Butane or butane mixtures	2.1	3	1011
357.	Butanedione	3		2346
358.	Butane-1-thiol	3		2347
359.	Butanols	3		1120
360.	Butanone	3		1193
361.	2-Butenal	3		1143
362.	Butene	2.1	3	1012
363.	But-1-ene-3-one	3		1251
364.	2-Buten-1-ol	3		2614
365.	Butoxyl	3		2708
366.	Butter of antimony	8		1733
367.	Butter of arsenic	6.1		1560
368.	Butyl acetates	3		1123
369.	Butyl acid phosphate	8		1718
370.	Butylacrylate	3		2348
371.	Butylamine, normal	3		1125
372.	N, N-Di-*n*-butylaminoethanol	6.1		2873
373.	N-Butylaniline	6.1		2738
374.	Butyl benezenes	3		2709
375.	*n*-butyl-4, 4-bis-(*tert*-butyl-peroxy) valerate, technical pure	5.2		2140
	Max 52 percent with inert solid	5.2		2141
376.	Butyl bromide, normal	3		1126
377.	Butyl chloride, normal	3		1127

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
378.	*n*-butylchloroformate	6.1	8	2743
379.	*tert*-butyl cumyl peroxide, technical pure	5.2		2091
380.	*tert*-butyleyclohexyl-chloroformate	6.1		2747
381.	Butylene	2.1	3	1012
382.	Butyl ethers	3		1149
383.	Butyl ethyl ether	3		1179
384.	Butyl formate, normal	3		1128
385.	*tert*-butyl hydroperoxide			
	Max 80 percent in di-*t*-butylperoxide and/or solvent	5.2	3 I	2092
	Max 72 percent with water	5.2	I	2093
	Over 72 percent to *Max*, 90 percent with water	5.2	I	2094
386.	N, *n*-butyl iminazole	6.1		2690
387.	*tert*-butyl *iso*-cyanate	3	6.1	2484
388.	*n*-butyl *iso*-cyanate	3	6.1	2485
389.	Butyl mercaptan	3		2347
390.	*n*-butyl methyl acrylate	3		2227
391.	Butyl methyl ether	3		2350
392.	*tert*-butyl monoperphthalate, technical pure	5.2		2105
393.	Butyl nitrite	3		2351
394.	*tert*-butyl peracetate			
	Max 76 percent in solution	5.2	E	2095
	Max 52 percent in solution	5.2		2096
395.	*tert*-butyl perbenzoate,			
	technical pure or more than 75 percent in solution	5.2	E	2097
	Max 75 percent in solution	5.2		2098
	with at least 50 percent inorganic solid	5.2		2890
396.	*tert*-butyl percrotonate *Max* 76 percent in solution	5.2		2183
397.	*tert*- butyl per *iso*-butyrate			
	Max 77 percent in solution	5.2	E	2142
	Max 52 percent in solution	5.2		2562
398.	*tert*-butyl per *iso*-nanoate	5.2		2104
399.	*tert*-butyl permaleate, technical pure	5.2	E	2099
	Max 55 percent in solution	5.2		2100
	Max 55 percent as a paste	5.2		2101
400.	*tert*-butyl perneodecanoate, technical pure	5.2		2594
401.	*tert*-butyl perneodecanoate, *Max* 77 percent in solution	5.2		2177
402.	*tert*- butyl peroxide, technical pure	5.2	3	2102

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
403.	Di-*tert*–butyl peroxide	5.2	3	2102
404.	*n*-butyl peroxydicarbonate			
	Max 52 percent in solution	5.2		2169
	Max 27 percent in solution	5.2		2170
405.	*tert*–butyl peroxy diethylacetate, technical pure	5.2	E	2144
406.	*tert*–butyl peroxy diethylacetate 33 percent with *tert*-butyl perbenzoate 33 percent solvent	5.2		2551
407.	*tert*–butyl peroxy–2-ethylhexanoate	5.2	E	2143
408.	*tert*-butyl peroxy Iso-propyl carbonate, technical pure	5.2	E	2103
409.	3-*tert*-butyl peroxy-3-phenylphthalide	5.2		2596
410.	*tert*-butyl peroxy-3, 5, 5-trimethyl hexanoate, technical pure	5.2		2104
411.	*tert*-butyl perpivalate, *Max* 77 percent in solution	5.2		2110
412.	Butyl phenols, liquid	6.1		2228
413.	Butyl phenols, solid	6.1		2229
414.	Butylpropionate	3		1914
415.	Butyltrichlorosilane	8		1747
416.	*p-tert*-butyl toluene	6.1		2667
417.	Butyl toluenes	6.1		2667
418.	Butyl vinyl ether inhibited	3		2352
419.	But-1-yne	2		2452
420.	Butyne-2-diol-1, 4	4.1		2716
421.	1, 4-Butynediol	4.1		2716
422.	Butyraldehyde	3		1129
423.	Butyral-doxime	3		2840
424.	Butyric acid	8		2820
425.	Butyric anhydride	8		2739
426.	Butyrone	3		2710
427.	Butyronitrile	3	6.1	2411
428.	Butyroyl chloride	3	8	2353
429.	Butyryl chloride	3	8	2353
430.	Cable cutters, explosive	1.4	+	0070
431.	Cacodylic acid	6.1		1572
432.	Cadmium compounds, except cadmium selenide and cadmium sulphide	6.1		2570
433.	Caesium hydroxide	8		2682
434.	Caesium hydroxide solution	8		2681
435.	Caesium, metal	4.3		1407

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
436.	Caesium nitrate	5.1		1451
437.	Cajeputene	3		2052
438.	Calcium arsenate	6.1		1573
439.	Calcium arsenate and arsenite, solid mixtures	6.1		1574
440.	Calcium bisulphate solution	8		2693
441.	Calcium carbide	4.3		1402
442.	Calcium chlorate	5.1		1452
443.	Calcium chlorate, solution	5.1		2429
444.	Calcium chlorite	5.1		1453
445.	Calcium cyanamide containing more than 0.1 percent of calcium carbide	4.3		1403
446.	Calcium cyanide	6.1		1575
447.	Calcium dithionite	4.2		1923
448.	Calcium hydride	4.3		1404
449.	Calcium hyprochlorite, dry, including mixtures, containing more than 39 percent available chlorine (8.8 percent available oxygen)	5.1		1748
450.	Calcium hyprochlorite, hydrated, including mixtures, containing not less than 5.5 percent and more than 10 percent water	5.1		2880
451.	Calcium hyprochlorite mixtures, dry, containing 39 percent or less, but more than 10 percent available chlorine	5.1		2208
452.	Calcium manganese silicon	4.3		2844
453.	Calcium, metal and alloys non-pyrophoric	4.3		1401
454.	Calcium, metal and alloys pyrophoric	4.2		1885
455.	Calcium nitrate	5.1		1454
456.	Calcium oxide	8		1910
457.	Calcium perchlorate	5.1		1455
458.	Calcium permangnate	5.1		1456
459.	Calcium peroxide	5.1		1457
460.	Calcium phosphide	4.3		1360
461.	Calcium resinate	4.1		1310
462.	Calcium resinate, fused	4.1		1314
463.	Calcium selenate	6.1		2630
464.	Calcium silicide	4.3		1405
465.	Calcium silicon	4.3		1406
466.	Calcium superoxide	5.1		1457

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
467.	Camphanone	4.1		2717
468.	Camphor oil	3		1130
469.	Camphor synthetic	4.1		2717
470.	Caps, percussion	1.4	+	0044
471.	Carbamate pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2758
472.	Carbamate pesticides (compounds and preparations) toxic, N.O.S.	6.1		2757
473.	Carbide of calcium	4.3		1402
474.	Carbolic acid	6.1		1671
475.	Carbon, activated	4.2		1362
476.	Carbon, non-activated, of animal or vegetable origin	4.2		1361
477.	Carbon bisulphide	3		1131
478.	Carbon black	4.2		1361
479.	Carbon dioxide	2.2		1013
480.	Carbon dioxide refrigerated liquid	2		2187
481.	Carbon dioxide, solid	9		1845
482.	Carbon dioxide and ethylene oxide mixtures containing not more than 10 percent carbon dioxide	2		1841
483.	Carbon dioxide and ethylene oxide mixtures containing not more than 17 percent ethylene oxide	2.2		1952
484.	Carbon dioxide and nitrous oxide mixtures	2.2		1015
485.	Carbon dioxide and oxygen mixtures	2.2	5.1	1014
486.	Carbon disulphide	3		1131
487.	Carbon monoxide	2.1	2.3 6.1	1016
488.	Carbon monoxide/hydrogen mixture	2.3	6.1	2600
489.	Carbon oxysulphide	2.1	3 6.1	2204
490.	Carbon remover, liquid	3		1132
491.	Carbon tetrabromide	6.1		2516
492.	Carbon tetrachloride	6.1		1846
493.	Carbonic anhydride	2.2		1013
494.	Carbonyl chloride	2.3	— 8	1076
495.	Carbonyl fluoride	2.1	2.3	2417
496.	Carbonyl sulphide	2.1	6.1	2204

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
497.	Cartridge cases, empty primed	1.4	+	0055
498.	Cartridges, explosive	1.1	+	0048
499.	Cartridges, flash	1.1	+	0049
		1.3	+	0050
500.	Cartridges, for weapons with bursting charge	1.1	+	0005
		1.2	+	0007
		1.4	+	0348
501.	Cartridges, power device	1.2	+	0381
		1.3	+	0275
		1.4	+	0276
		1.4	+	0323
502.	Cartridges, signal	1.3	+	0054
		1.4	+	0312
		1.4	+	0405
503.	Cases, cartridges, empty, with primer	1.4	+	0379
504.	Casinghead gasoline	3		1257
505.	Castor beans	9		2969
506.	Caustic alkali liquids, N.O.S.	8		1719
507.	Caustic antimony	8		1733
508.	Caustic arsenic chloride	6.1		1560
509.	Caustic oil of arsenic	6.1		1560
510.	Caustic potash	8		1814
511.	Caustic soda liquor	8		1824
512.	Celluloid, in blocks, rods, rolls, sheets, tubes, etc (scrap excluded)	4.1		2000
513.	Celluloid, scrap	4.2		2002
514.	Cement, adhesive, containing an inflammable liquid	3		1133
515.	Charcoal, activated	4.2		1362
516.	Charcoal, non-activated	4.2		1361
517.	Charges, depth	1.1	+	0056
518.	Charges, propelling, for cannon	1.1	+	0279
		1.3	+	0242
519.	Charges, propelling, for rocket motors	1.1	+	0271
		1.3	+	0272
520.	Charges, propelling, for rocket motors, composite mixture	1.1	+	0273
		1.3	+	0274
521.	Charges, shaped, commercial, without detonator	1.1	+	0059
522.	Charges, shaped, flexible, linear, metal, clad	1.1	+	0280
		1.4	+	0237
523.	Charges, supplementary, explosive	1.1	+	0060

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
524.	Chile saltpeter	5.1		1498
525.	Chloral, anhydrous, inhibited	6.1		2075
526.	Chlorate and magnesium chloride mixtures	5.1		1459
527.	Chlorate of potash	5.1		1465
528.	Chlorate of soda	5.1		1495
529.	Chlorates, inorganic, N.O.S.	5.1		1461
530.	Chloric acid solution not more than 10 percent strength	5.1		2626
531.	Chlorinated anthracene oil	6.1		2230
532.	Chlorine	2.3	8	1017
533.	Chlorine pentafluoride	2.3	5.1 8	2548
534.	Chlorine trifluoride	2.3	5.1 8	1749
535.	Chlorites, inorganic, N.O.S.	5.1		1462
536.	Chloroacetaldehyde	6.1		2232
537.	Chloroacetic acid liquid	8		1750
538.	Chloroacetic acids, solid	8		1751
539.	Chloroacetone, stablilized	6.1		1695
540.	Chloroacetonitrile	6.1		2668
541.	Chloroacetophenone	6.1		1697
542.	Chloroacetyl chloride	8		1752
543.	Chloroanilines, liquid	6.1		2019
544.	Chloroanilines, solid	6.1		2018
545.	*p*-Chloro-*o*-anisidine	6.1		2233
546.	Chlorobenzene	3		1134
547.	Chlorobenzotrifluorides	3		2234
548.	*p*-Chlorobenzoyl peroxide			
	Max 75 percent with water	5.2		2113
	Max 52 percent as a paste	5.2		2114
	Max 52 percent in solution	5.2		2115
449.	*p*-Chlorobenzoyl chloride	6.1		2235
550.	1-Chloro-3-bromopropane	6.1		2688
551.	Chlorobutanes	3		1127
552.	1-Chlorobutane	3		1127
553.	2-Chlorobutane	3		1127
554.	Chlorocresols	6.1		2669
555.	Chlorodifluoroethanes	2.1		2517

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
556.	Chlorodifluoromethane	2.2		1018
557.	3-Chloro-1, 2-dihydroxy-propane	6.1		2689
558.	Chlorodimethyl ethyl ether	3	6.1	2354
559.	Chlorodinitrobenzene	6.1		1577
560.	Chloroethane	2.1	2.3	1037
561.	Chloroethane nitrile	6.1		2668
562.	2 Chloro 1 ethananol	6.1	3	1135
563.	Chloroform	6.1		1888
564.	Chloroformates, N.O.S. with a flash point above or equal to 32°C	6.1	8	2742
565.	Chloromethane	2.1		1063
566.	Chloromethylchloroformate	6.1	8	2745
567.	Chloromethyl cyanide	6.1		2668
568.	Chloromethyl ethyl ether	3	6.1	2354
569.	Chloromethyl methyl ether	3		1239
570.	3-Chloro-4-methyl-phenyl-*Iso*-cyanate	6.1		2236
571.	3-Chloro-2methylprop-1-ene	3		2554
572.	Chloronitroanilines	6.1		2237
573.	Chloronitrobenzenes	6.1		1578
574.	Chloro-ortho-nitrotoluene	6.1		2433
575.	Chloropentafluoroethane	2.1	2.3	1020
576.	3-Chloroperoxybenzoic acid, *Max* 86 percent	5.2	E	2755
577.	Chlorophenates, liquid	8		2904
578.	Chlorophenates, solid	8		2905
579.	Chlorophenols, liquid	6.1		2021
580.	Chlorophenols, solid	6.1		2020
581.	Chlorophenyl trichlorosilane	8		1753
582.	Chloropicrin	6.1		1580
583.	Chloropicrin and methyl bromide mixtures	2.3	6.1	1581
584.	Chloropicrin and methyl chloride mixtures	2.3	6.1	1582
585.	Chloropicrin mixtures, N.O.S.	6.1		1583
586.	Chlorophlatinic acid, solid	8		2507
587.	Chloroprene, inhibited	3	6.1	1991
588.	2-Chloroproane	3		2356
589.	3-Chloro-propanediol-1, 2	6.1		2689
590.	Chloropropanol	6.1		2611

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
591.	3-Chloro-1-propenol-1	6.1		2849
592.	2-Chloro-1-propanol	6.1		2611
593.	2-Chloropropene	3		2456
594.	3-Chloropropene	3	6.1	1110
595.	α-Chloropropionic acid	8		2511
596.	2-Chloro pyridine	6.1		2822
597.	Chlorosulphonic acid (with or without sulphur trioxide)	8		1754
598.	Chlorotetrafluoroethane	2.3		1021
699.	Chlorotoluenes	3		2238
600.	4-Chloro-ortho-toluidine hydrochloride	6.1		1579
601.	Chlorotoluidines	6.1		2239
602.	Chlorotrifluoroethane	2		1983
603.	Chlorotrifluoromethane	2.3		1022
604.	Chlorotrifluoromethane/trifluoromethane azeotropic mixture containing about 60 percent chlorotrifluoromethane	2.2		2599
605.	Chromic acid, solid	5.1		1463
606.	Chromic acid solution	8		1755
607.	Chromic fluoride, solid	8		1756
608.	Chromic fluoride, solution	8		1757
609.	Chromium nitrate	5.1		2720
610.	Chromium oxychloride	8		1758
611.	Chromium trioxide, anhydrous	5.1		1463
612.	Chromosulphuric acid	8		2240
613.	Cigarettes, self-lighting	4.1		1867
614.	Cinene	3		2052
615.	Cinnamene	3		2055
616.	Cinnamol	3		2055
617.	Coal gas	2.1		1023
618.	Coal tar, distillate, with a flash point above 32°C but less than 61°C	3		1137
619.	Coal tar, distillate, with a flash point equal to or below 32°C	3		1136
620.	Coating solution	3		1109
621.	Cobalt naphthenates, powder	4.1		2001
622.	Cobalt resinate, precipitated	4.1		1318

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
623.	Cocculus	6.1		1584
624.	Columbian spirits	3	6.1	1230
625.	Components, explosive train, N.O.S.	1.2	+	0382
		1.4	+	0383
		1.4	+	0384
626.	Compressed gas and hexaethyl tetraphosphate mixtures	2.3	—	1612
627.	Compressed gas and tetraethyl dithopyrophosphate mixtures	2	6.1	1703
628.	Compressed gas and tetraethyl pyrophosphate mixtures	2	6.1	1705
629.	Compressed or liquefied gases, inflammable, non-toxic, N.O.S.	2.1		1954
630.	Compressed or liquefied gases, inflammable, toxic, N.O.S.	2.1		1953
631.	Compressed or liquefied gases, non-inflammable, non-toxic, N.O.S.	2.2		1956
632.	Compressed or liquefied gases, non-inflammable, toxic, N.O.S.	2.3	6.1	1955
633.	Copper acetoarsenite	6.1		1585
634.	Copper arsenite	6.1		1586
635.	Copper based pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2776
636.	Copper based pesticides (compounds and preparations) toxic, N.O.S.	6.1		2775
637.	Copper chlorate	5.1		2721
638.	Copper chloride	8		2802
639.	Copper cyanide	6.1		1587
640.	Copper selenate	6.1		2630
641.	Copper selenite	6.1		2630
642.	Copra	4.2		1363
643.	Cord, detonating, flexible	1.1	+	0065
		1.4	+	0289
644.	Cord (fuse), detonating, metal clad	1.1	+	0290
		1.2	+	0102
645.	Cord (fuse), detonating metal clad, mild effect	1.4		0104
646.	Cord, igniter	1.4	+	0066
647.	Cordite	1.1	+	0160
		1.3	+	0161
648.	Corrosive, inflammable liquids, N.O.S.	8	3	2920
649.	Corrosive, inflammable solids, N.O.S.	8	4.1	2921

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
650.	Corrosive liquids, N.O.S.	8		1760
651.	Corrosive solids, N.O.S.	8		1759
652.	Corrosive, poisonous (toxic) liquids, N.O.S.	8	6.1	2922
653.	Corrosive, poisonous (toxic) solids, N.O.S.	8	6.1	2923
654.	Corrosive sublimate	6.1		1624
655.	Cotton waste, oily	4.1		1364
656.	Cotton, wet	4.2		1365
657.	Creosote salts	4.1		1334
658.	Cresols (*o*-, *m*- and *p*-)	6.1		2076
659.	Cresylic acid	6.1		2022
660.	Crocidolite	9		2212
661.	Crotonaldehyde	3		1143
662.	Crotonic acid	8		2823
663.	Crotonic aldehyde	3		1143
664.	Crotonylene	3		1144
665.	Cumene	3		1918
666.	Cumene hydroperoxide, technical pure	5.2	I	2116
667.	Cumyl peroxyneodecanoate not more than 77 percent in solution	5.2		2963
668.	Cumyl peroxypivalate not more than 77 percent in solution	5.2		2964
669.	Cupriethylenediamine solution	8	6.1	1761
670.	Cutters, cable, explosive	1.4	+	0070
671.	Cyanide solutions	6.1		1935
672.	Cyanides, inorganic, N.O.S.	6.1		1580
673.	Cyanoacetonitrile	6.1		2647
674.	Cyanogen bromide	6.1	8	1889
675.	Cyanogen chloride	2.3		1589
676.	Cyanogen, liquefied	2.3	2.1 6.1	1026
677.	Cyanuric chloride	8		2670
678.	Cyclobutane	2.1		2601
679.	Cyclobutylchloroformate	6.1	8	2744
680.	1,5,9-Cyclododecatriene	8		2518
681.	Cycloheptane	3		2241
682.	Cycloheptatriene	3	6.1	2603
683.	1,3,5-Cycloheptatriene	3	6.1	2603

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
684.	Cycloheptene	3		2242
685.	Cyclohexane	3		1145
686.	1.4-Cyclohexadienedione	6.1		2587
687.	Cyclohexanone	3		1915
688.	Cyclohexanone peroxide(s)	5.2	E I	2117
		5.2	I	2118
		5.2	I	2119
689.	Cyclohexanone peroxide(s), *Max* 72 percent as a paste with not more than 9 percent available oxygen	5.2	I	2896
690.	Cyclohexene	3		2256
691.	Cyclohexyl acetate	3		2243
692.	Cyclohexylamine	8	3	2357
693.	Cyclohexyl-*iso*-cyanate	6.1		2488
694.	Cyclohexanyl trichlorosilane	8		1762
695.	Cyclohexyl trichlorosilane	8		1763
696.	Cyclonite	1.1	+ 6.1	0072
697.	Cyclooctadienes	3		2320
698.	Cyclooctatetraene	3		2358
699.	Cyclopentane	3		1146
700.	Cyclopentenol	3		2244
701.	Cyclopentanone	3		2245
702.	Cyclopentene	3		2246
703.	Cyclopropane, liquefied	2.1		1027
704.	Cycloteramethylene-tetranitramine containing, by mass, at least 15 percent water or at least 10 perent phlegmatizer	1.1	+	0226
705.	Cycloterimethylene-trinitramine containing, by mass, at least 15 percent water or at least 10 percent phlegmatizer	1.1	+ 6.1	0072
706.	Cycloterimethylene-trinitramine (cyclonite or hexolene or RDX) mixed with cyclotetramethylene-tetranitramine (HMX or octogene) containing by mass, at least 15 percent water or at least 10 percent phlegmatizer	1.1	+	0391
707.	Cymenes	3		2046
708.	Cymol	3		2046
709.	Deanol	3		2051
710.	Decaborane	4.1	6.1	1868
711.	Decahydronaphthalene	3		1147

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
712.	Decalin	3		1147
713.	*n*-Decane	3		2247
714.	Decanoyl peroxide, technical pure	5.2		2120
715.	Deflagrating metal salts of aromatic nitroderivatives, N.O.S.	1.3	+	0132
716.	Detonators for ammunition	1.1	+	0073
		1.2	+	0364
		1.4	+	0365
		1.4	+	0366
717.	Deuterium	2.1		1957
718.	Diacetone alcohol	3		1148
719.	Diacetone alcohol peroxides, *Max* 57 percent in solution with *Max* 9 percent hydrogen peroxide, *Min* 26 percent diacetone alcohol, and *Min* 9 percent water; total active oxygen content, *Max* 10 percent	5.2		2163
720.	Diallylamine	3		2359
721.	Diallylether	3	6.1	2360
722.	4,4-Diaminodiphenyl methane	6.1		2651
723.	1,2- Diaminoethane	8	3	1604
724.	Di-*n*-amylamine	6.1		2841
725.	Diazodinitrophenol, containing by mass, at least 40 percent water or mixture of alcohol and water	1.1	+	0074
726.	Dibenzopyridine	4.1		2713
727.	Dibenzyldichlorosilane	8		2434
728.	Dibenzyl peroxydicarbonate, *Max* 87 percent with water	5.2	E	2149
729.	Diborane	2.1	6.1	1911
730.	Dibromobenzene	3		2711
731.	1,3-Dibromobenzene	3		2711
732.	1,2-Dibromobutan-3-one	6.1		2648
733.	Dibromochloropropane (1,2-Dibromo-3-chloropropane)	6.1		2872
734.	Dibromodifluoromethane	9		1941
735.	1,2-Dibromoethane	6.1		1605
736.	Dibromomethane	6.1		2664
737.	Di-(*n*-butyl) amine	8	3	2248
738.	Dibutylaminoethanol	6.1		2873
739.	Dibutyl ethers	3		1149

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
740.	Di-(*sec*-butyl) peroxydicarbonate, technical pure *Max* 52 percent in solution	5.2 5.2	E	2150 2151
741.	Di-*tert*-butyl (peroxide)	5.2	3	2102
742.	Di-*tert*-butyl (peroxy) phthalate	5.2	E	2106
743.	Di-*tert*-butyl (peroxy) phthalate, technical pure *Max* 55 percent in solution *Max* 55 percent as a paste	 5.2 5.2		 2107 2108
744.	Dicetyl peroxydicarbonate, technical pure *Max* concentration 42 percent, stable dispersion in water	5.2 5.2		2164 2895
745.	Dichloroacetic acid	8		1764
746.	1,3-Dichloroacetone	6.1		2649
747.	Dichloroacetyl chloride	8		1765
748.	Dichloroanilines	6.1		1590
749.	*o*-Dichlorobenezene	6.1		1591
750.	*p*-Dichlorobenzene	6.1		1592
751.	2,4-Dichlorobenzoyl peroxide *Max* 75 percent with water *Max* 52 percent as a paste *Max* 52 percent in solution	 5.2 5.2 5.2		 2137 2138 2139
752.	Dichlorodifluoromethane	2.3		1028
753.	Dichlorodifluoromethane/difluoroethane azetropic mixture containing about 74 percent dichlorodifluoromethane	2.2		2602
754.	Dichlorodimethyl ether	6.1		2249
755.	1,1- Dichloroethane	3		2362
756.	1,2- Dichloroethane	3	6.1	1184
757.	Dichloroethyl ether	6.1		1916
758.	Dichloroethylene	3		1150
759.	Dichloroisocyanuric acid, dry and its salts	5.1		2465
760.	Dichloroisopropyl ether	6.1		2490
761.	Dichloromethane	6.1		1593
762.	Dichloromonofluoromethane	2.3		1029
763.	1,1-Dichloro-1-nitroethane	6.1		2650
764.	Dichloropentanes	3		1152
765.	Dichlorophenols	6.1		2020
766.	Dichloropentadiene	3		2048
767.	Dichlorophenyl *iso*-cyanates	6.1		2250
768.	Dichlorophenyl-trichlorosilane	8		1766
769.	1,3-Dichloro-2-propenone	6.1		2649

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
770.	1,3-Dichloropropanol-2	6.1		2750
771.	Dichloropropene	3		2047
772.	Dichloropropene and propylene dichloride mixture	3		1279
773.	Dichlorosilane	2.1	2.3 6.1	2189
774.	Dichlorotetrafluoroethane	2		1956
775.	Dieumyl peroxide technical pure or in a mixture with inert solid	5.2		2121
776.	1,4-Dicyanobutane	6.1		2205
777.	Dicycloheptadiene	3		2251
778.	Dicyclohexylamine	8		2565
779.	Dicyclohexylamine nitrite	6.1		2687
780.	Dicyclohexylammonium nitrite	6.1		2687
781.	Dicyclohexyl peroxydicarbonate, technical pure *Max* 91 percent with water	5.2 5.2	E	2152 2153
782.	Dicyclopentadiene	3		2048
783.	Didymium nitrate	5.1		1465
784.	1,2-Diethoxyethane	3		1153
785.	Diethoxymethane	3		2373
786.	3,3-Diethoxypropene	3		2374
787.	Diethyl aluminium chloride	4.2		1101
788.	Diethylamine	3		1154
789.	Diethylaminoethanol	3		2686
790.	Diethyl aminopropylamine	8	3	2684
791.	N,N-Diethylaniline	6.1		2432
792.	Diethylbenzene	3		2049
793.	Diethylcarbinol	3		2706
794.	Diethyl carbonate	3		2366
795.	Diethyl dichlorosilane	8	3	1767
796.	Diethylene diamine	8		2579
797.	N,N-diethylethanolamine	3		2686
798.	Diethyleneglycoldinitrate, containing by mass, at least 25 percent non-volatile water-insoluble phlegmatizer	1.1	+	0075
799.	Diethylenetriamine	8		2079
800.	Diethyl ether	3		1155
801.	N,N-Diethylethylene diamine	8	3	2685
802.	Diethylglycol	3		1153

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
803.	Di-(2-ethylhexyl)-peroxydicarbonate, technical pure	5.2		2122
	Max 67 percent in solution	5.2		2123
804.	Diethyl ketone	3		1156
805.	Diethylmagnesium	4.2		1367
806.	Diethyloxalate	6.1		2525
807.	Diethyl peroxydicarbonate, *Max* 27 percent in solution	5.2		2175
808.	Diethyl sulphate	6.1		1594
809.	Diethyl sulphide	3	6.1	2375
810.	Diethylthiophosphorylchloride	8		2751
811.	Diethylzinc	4.2		1366
812.	Difluoroethane	2.1		1030
813.	1,1-Difluoroethylene	2.1	2.3	1959
814.	Difluorophosphoric acid anhydrous	8		1768
815.	2,2-Dihydroperoxy propane, *Max* 25 percent with inert organic solid	5.2	E	2178
816.	2,3-Dihydropyran	3		2376
817.	*p*-Dihydroxybenzene	6.1		2662
818.	Di-*iso*-butylamine	3		2361
819.	Di-*iso*-butyl ketone	3		1157
820.	Di-*iso*-butylene,isomeric compounds	3		2050
821.	α-di-*iso*-butylene	3		2050
822.	β-di-*iso*-butylene	3		2050
823.	Di-*iso*-butyryl peroxide, *Max* 52 percent in solution	5.2		2182
824.	Di-*iso*-octyl acid phosphate	8		1902
825.	Di-*iso*-propylamine	3		1158
826.	Di-*iso*-propylbenzene hydroperoxide, *Max* concentration 72 percent in solution	5.2		2171
827.	Di-*iso*-propylethanolamine	8		2825
828.	Di-*iso*-propyl ether	3		1159
829.	Diketene, inhibited	3		2521
830.	Dimethoxyacetylene	4.1		2716
831.	1,1-Dimethoxyethane	3		2377
832.	1,2-Dimethoxyethane	3		2252
833.	Dimethylamine, anhydrous	2	3	1032
834.	Dimethylamine solution	3		1160

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
835.	2-Dimethylaminoacetonitrile	3	6.1	2378
836.	2-Dimethylaminoethanol	3		2051
837.	Dimethylaminoethyl methacrylate	6.1		2522
838.	N,N-Dimethylaniline	6.1		2253
839.	Dimethylarsinic acid	6.1		1572
840.	N,N-Dimethylbenzylamine	8		2619
841.	2,5-Dimethyl-2,5-bis-(*tert*-butylperoxy) hexane, technical pure	5.2		2155
	Max 52 percent with inert solid	5.2		2156
842.	2,5-Dimethyl-2,5-bis-(*tert*-butylperoxy) hexane-3, technical pure	5.2	E	2158
	Max 52 percent with inert solid	5.2		2159
843.	2,5-Dimethyl-2,5-bis-(2-ethyl-hexanoyl-peroxy) hexane, technical pure	5.2		2157
844.	2,3-Dimethylbutane	3		2457
845.	1,3-Dimethylbutylamine	3		2379
846.	Dimethylcarbamoyl chloride	8		2262
847.	Dimethyl carbonate	3		1161
848.	Dimethylcyclohexanes	3		2263
849.	Dimethylcyclohexylamine	8		2264
850.	2,5-Dimethyl-2,5-di-(benzoylperoxy) hexane, technical pure	5.2	E	2172
	Max 82 percent with inert solid	5.2	E	2173
851.	Dimethyldichlorosilane	3	8	1162
852.	Dimethyldiethoxysilane	3		2380
853.	2,5-Dimethyl-2,5-dihydroperoxy hexane, *Max* 82 percent with water	5.2	E	2174
854.	3,5- Dimethyl-3,5-dihydroxydioxolane-1,2	5.2		2080
855.	4,4- Dimethyldioxane-1,3	3		2707
856.	2,5-Dimethyl-1,4-dioxane	3		2707
857.	Dimethyldioxanes	3		2707
858.	Dimethyl disulphide	3		2381
859.	Dimethyl ethanolamine	3		2051
860.	Dimethyl ether	2	3	1033
861.	N,N-Dimethylformamide	3		2265
862.	Dimethylhydrazine, symmetrical	3	6.1	2382
863.	Dimethylhydrazine, unsymmetrical	3	8	1163
864.	Dimethylmagnesium	4.2		1368
865.	2,2-Dimethylpropane other than pentane and its isomers	2.1		2044

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
866.	Dimethyl-N-propylamine	3	8	2266
867.	Dimethyl sulphate	6.1		1595
868.	Dimethyl sulphide	3		1164
869.	Dimethyl thiophosphoryl chloride	8		2267
870.	Dimethylzinc	4.2		1070
871.	Dimyristylperoxydicarbonate, technical pure *Max* concentration 22 percent, stable dispersion in water	5.2 5.2		2595 2892
872.	Dinitroanilines	6.1		1596
873.	Dinitrobenzene	6.1		1597
874.	Dinitrochlorobenzene	6.1		1577
875.	Dinitro-cresol	6.1		1598
876.	Dinitrophenates (alkali metals), dry or containing, by mass, less than 15 percent water	1.3	+ 6.1	0077
877.	Dinitrophenol, dry or containing, by mass less than 15 percent water	1.1	+ 6.1	0076
878.	Dinitrophenol, wetted with, at least 15 percent water	4.1	6.1	1320
879.	Dinitrophenol solutions	6.1		1599
880.	Dinitrophenolates, wetted with, by mass at least 15 percent water	4.1	6.1	1321
881.	Dinitroresorcinol, dry or containing, by mass, less than 15 percent water	1.1	+	0078
882.	Dinitroresorcinol, wetted with, by mass at least 15 percent water	4.1		1322
883.	Dinitrosobenzene	1.3	+	0406
884.	N,N-Dinitroso-N, N'-Dimethyl terephthalimide, not more than 72 percent as a paste	4.1	E	2973
885.	N,N-Dinitrosopentamethylene tetramine, not more than 82 percent with phlegmatizer	4.1	E	2972
886.	Dinitrotoluene mixed with sodium chlorate	1.1	+	0083
887.	Dinitrotoluenes liquid	6.1	3	1600
888.	Dinitrotoluenes, solid	6.1		2038
889.	Di-*n*-Nonanoyl peroxide	5		2130
890.	Dioxane	3		1165
891.	Dioxolane	3		1166
892.	Di-paramentha-1,8-diene	3		2052
893.	Dipentene	3		2052
894.	Diphenylamine-chloroarsine	6.1		1698
895.	Diphenylchloroarsine	6.1		1699

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
896.	Diphenyldichlorosilane	8		1769
897.	Diphenylmethane–4,4-di-*iso*-cyanate	6.1		2489
898.	Diphenylmethyl bromide	8		1770
899.	Dipicrylamine	1.1	+	0079
900.	Dipicryl sulphide, wetted with, by mass, less than 10 percent water	1.1	+	0401
901.	Dipicryl sulphide, wetted with, by mass, at least 10 percent water	4.1		2852
902.	Dipropylamine	3		2383
903.	Dipropylene triamine	8		2269
904.	Dipropyl ether	3		2384
905.	Dipropylketone	3		2710
906.	Di-*n*-propyl peroxycarbonate, technical pure	5.2 6.1	E	2176 2701
907.	Diquat	6.1	3	2782
908.	Disinfectants, corrosive, liquid	8		1903
909.	Disinfectants, poisonous, N.O.S.	6.1		1601
910.	Distearylperoxydicarbonate with 15 percent of stearylalcohol	5.2		2592
911.	Dithiocarbamate pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2772
912.	Dithiocarbamate pesticides (compounds and preparations) toxic, N.O.S.	6.1		2771
913.	Divinyl ether, inhibited	3		1167
914.	Dodecyltrichlorosilane	8		1771
915.	Driers, paint or varnish, in liquid form, N.O.S.	3		1168
916.	Driers paint or varnish, in solid form, N.O.S.	4.1		1371
917.	Dyes and dye intermediates toxic, N.O.S.	6.1		1602
918.	Dyes and dye intermediates, N.O.S.	8		2801
919.	Dynamite	1.1	+	0081
920.	Engines, rocket	1.2 1.3		0322 0250
921.	Engine starting fluid, within flammable gas	2.1		1960
922.	Epibromohydrin	6.1		2558
923.	Epichlorohydrin	6.1		2023
924.	Epoxyethane	2.1	6.1	1040
925.	1,2-Epoxy-3-ethyloxy-propane	3		2752
926.	2,3-Epoxy-1-propanol	3	6.1	2622

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
927.	Eradicators, paint or grease, liquid[1)]			1850
928.	Ethane, compress	2.1		1035
929.	Ethane, refrigerated liquid	2.1		1961
930.	Ethanethiol	3	6.1	2363
931.	Ethanol and its solutions including alcoholic beverages	3		1170
932.	Ethanolamine and solutions thereof	8		2491
933.	2-Ethoxyethanol	3		1171
934.	2-Ethoxyethyl acetate	3		1172
935.	Ethoxy propane-1	3		2615
936.	Ethyl acetate	3		1173
937.	Ethyl acetylene	2.1		2452
938.	Ethyl acrylate, inhibited	3		1917
939.	Ethyl alcohol	3		1170
940.	Ethyl aluminium dichloride	4.2		1924
941.	Ethyl aluminium sesquichloride	4.2		1925
942.	Ethylamine	2.1		1036
943.	Ethylamine 50 to 70 percent solution in water	3		2270
944.	Ethyl amyl ketone	3		2271
945.	N-Ethylaniline	6.1		2272
946.	2-Ethylaniline	6.1		2273
947.	Ethylbenzene	3		1175
948.	N-Ethyl-N-benzylaniline	6.1		2274
949.	N-Ethylbenzyltoluidiness	6.1		2753
950.	Ethyl-3, 3-bis-(*tert*-butylperoxy) butyrate, technical pure	5.2	E	2184
	Max 77 percent in solution with at least	5.2		2185
	50 percent of inert, inorganic solid	5.2		2598
951.	Ethyl borate	3		1176
952.	Ethyl bromide	6.1		1891
953.	Ethyl bromoacetate	6.1		1603
954.	2-Ethylbutanol	3		2275
955.	Ethylbutyl acetate	3		1177
956.	Ethylbutyl ether	3		1179
957.	2-Ethylbutyraldehyde	3		1178
958.	Ethyl butyrate	3		1180
959.	Ethylchloride	2.1		1037

[1)] Classify according to the liquid used.

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
960.	Ethyl chloroacetate	6.1		1181
961.	Ethyl chlorocarbonate	3		1182
962.	Ethyl chloroformate	3		1182
963.	Ethyl chlorothioformate	8		2826
964.	Ethyl crotonate	3		1862
965.	Ethyl cyanoacetate	6.1		2666
966.	Ethyldichloroarsine	6.1		1892
967.	Ethyldichlorosilane	3	8	1183
968.	Ethylene chlorohydrin	6.1		1135
969.	Ethylene, compressed	2.1		1962
970.	Ethylenediamine	8	3	1604
971.	Ethylene dibromide	6.1		1605
972.	Ethylene dibromide and methyl bromide liquid mixtures	6.1		1647
973.	Ethylene dichloride	3	6.1	1184
974.	Ethylene glycol diethyl ether	3		1153
975.	Eythylene glycol monoethyl ether	3		1171
976.	Eythylene glycol monoethyl ether acetate	3		1172
977.	Eythylene glycol monobutyl ether	6.1		2369
978.	Eythylene glycol monomethyl ether	3		1188
979.	Eythylene glycol monomethyl ether acetate	3		1189
980.	Ethyleneamine, inhibited	3	6.1	1185
981.	Ethylene oxide containing not more than 0.2 percent nitrogen	2.1	2.3 6.1	1040
982.	Ethylene oxide and carbon dioxide mixtures [with more than (12 percent) ethylene oxide]	2.1	2.3 6.1	1041
983.	Ethylene, refrigerated liquid	2.1		1038
984.	Ethyl ether	3		1155
985.	Ethyl fluid	6.1		1649
986.	Ethyl fluoride	2.1		2453
987.	Ethyl formate	3		1190
988.	Ethylglycol acetate	3		1172
989.	Ethyl hexaldehyde	3		1191
990.	2-Ethylhexylamine	8		2276
991.	2-Ethylhexylchloroformate	6.1	8	2748
992.	Ethyl *iso*-butyrate	3		2385
993.	Ethyl *iso*-cyanate	3	6.1	2481

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
994.	Ethyl lactate	3		1192
995.	Ethyl mercaptan	3	6.1	2363
996.	Ethyl methacrylate	3		2277
997.	Ethyl methyl ether	2.1		1039
998.	Ethyl methyl ketone	3		1193
999.	Ethyl nitrite solutions	3		1194
1000.	Ethyl formate	3		2524
1001.	Ethyl oxalate	6.1		2525
1002.	Ethyl phenyl dichlorosilane	8		2435
1003.	1-Ethyl piperidine	3		2386
1004.	Ethyl propionate	3		1195
1005.	Ethyl propyl ether	3		2615
1006.	Ethyl silicate	3		1292
1007.	Ethyl sulphate	6.1		1594
1008.	Ethyl sulphuric acid	8		2571
1009.	N-Ethyltoluidines	6.1		2754
1010.	Ethyltrichlorosilane	3	8	1196
1011.	Explosive blasting Type A	1.1	+	0081
1012.	Explosive blasting Type B	1.1 1.5	+ +	0082 0331
1013.	Explosive blasting Type C	1.1	+	0083
1014.	Explosive blasting Type D	1.1	+	0084
1015.	Explosive blasting Type E	1.1 1.5	+ +	0241 0332
1016.	Extracts, aromatic, liquid	3		1169
1017.	Extracts, flavouring, liquid	3		1197
1018.	Ferric arsenate	6.1		1606
1019.	Ferric arsenite	6.1		1607
1020.	Ferric chloride	8		1773
1021.	Ferric chloride, solution	8		2582
1022.	Ferric nitrate	5.1		1466
1023.	Ferrocerium	4.1		1323
1024.	Ferrosilicon, containing more than 30 percent and less than 90 percent silicon NOTE — The provisions of this standard shall not apply to a consignment of ferrosilicon carried in packaged form if it passes the test for class 4.3 as per the method specified in Annex A and is accompanied by an appropriate certificate stating that the product has correctly tested and passed the test.	4.3	6.1	1408

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1025.	Ferrous arsenate	6.1		1608
1026.	Ferrous metal borings, shavings, turnings or cuttings, in a form liable to self-heating	4.2		2793
1027.	Fertilizer ammoniating solutions containing free ammonia	2		1043
1028.	Fertilizers containing ammonium nitrate, N.O.S.	5.1		2072
1029.	Fibres, animal or vegetable, burnt, wet or damp, N.O.S.	4.2		1372
1030.	Fibres or fabrics, animal or vegetable with animal or vegetable oil, N.O.S.	4.2		1373
1031.	Films, nitrocellulose base, gelatin coated (scrap excluded)	4.1		1324
1032.	Films from which gelatine has been removed film scrap	4.2		2002
1033.	Fire extinguisher charges, expelling, explosive	1.3	+	0275
		1.4	+	0276
		1.4	+	0323
1034.	Fire extinguisher charges, corrosive liquid	8		1774
1035.	Fire extinguishers containing compressed or liquefied gas	2.2		1044
1036.	Firelighters, solid containing inflammable liquid	4.1		2623
1037.	Fireworks, Type A	1.1	+	0333
1038.	Fireworks, Type B	1.2	+	0334
1039.	Fireworks, Type C	1.3	+	0335
1040.	Fireworks, Type D	1.4	+	0336
		1.4	+	0337
1041.	Fischer Tropsch gas	2.3		2600
1042.	Fish meal (fish scrap) stablilized	9		2216
1043.	Fish meal (fish scrap) unstabilized	4.2		1374
1044.	Flammable, corrosive liquids, N.O.S.	3	8	2924
1045.	Flammable, corrosive solids, N.O.S.	4.1	8	2925
1046.	Flammable, poisonous (toxic) solids, N.O.S.	4.1	6.1	2926
1047.	Flares, aerial	1.3	+	0093
		1.4	+	0403
		1.4	+	0404
1048.	Flares surface (other than water-activated contrivances)	1.3	+	0092
1049.	Flares, water-activated	1.3	+	0249
1050.	Flash powder, in units	1.1	+	0094
		1.2	+	0096
		1.3	+	0305
1051.	Flue dusts poisonous	6.1		1562

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1052.	Fluoroboric acid	8		1775
1053.	Fluoric acid	8	6.1	1790
1054.	Fluorine, compressed	2.1	2.3 6.1	1045
1055.	Fluoroacetic acid	6.1		2642
1056.	Fluorobenzene	3		2387
1057.	Fluoroethane	2.1		2453
1058.	Fluoroform	2.3		1984
1059.	Fluoromethane	2.1		2454
1060.	Fluorophosphoric acid, anhydrous	8		1776
1061.	Fluorosulphonic acid	8		1777
1062.	Fluorosilicates (silicofluorides), N.O.S.	6.1		2856
1063.	Fluosilicic acid	8		1778
1064.	Fluorotoluenes	3		2388
1065.	Formaldehyde in solutions, with a flash point not more than 61°C	3		1198
1066.	Formaldehyde in solutions, with a flash point above 61°C	9		2209
1067.	Formalin	9		2209
1068.	Formic acid	8		1779
1069.	Formic aldehyde	9		2209
1070.	2-Formyl-3,4-dihydro-2H-pyran	3		2607
1071.	Fracturing devices, for oil wells, explosive	1.1	+	0099
1072.	Fuel, aviation, turbine, engine	3		1863
1073.	Fuel pyrophoric, N.O.S.	4.2		1375
1074.	Fumaryl chloride	8		1780
1075.	Fuming liquid arsenic	6.2		1560
1076.	Furan	3		2389
1077.	Furfural	3		1199
1078.	Furfuryl alcohol	6.1		2874
1079.	Furfurylamine	3		2526
1080.	Furfuryl carbinol	6.1		2874
1081.	Fuse, igniter, tubular, metal clad	1.4	+	0103
1082.	Fuse, instantaneous non-detonating	1.3	+	0101
1083.	Fuse oil	3		1201
1084.	Fuses, detonating	1.1 1.2 1.4 1.4	+ + + +	0106 0107 0257 0367

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1085.	Fuses, detonating with protective features	1.1	+	0408
		1.2	+	0409
		1.4	+	0410
1086.	Fuses, igniting	1.3	+	0316
		1.4	+	0317
		1.4	+	0368
1087.	Fuse, safety	1.4	+	0105
1088.	Gaines	1.1	+	0042
		1.1	+	0225
		1.2	+	0268
		1.2	+	0283
1089.	Gallium, metal	8		2803
1090.	Gas drips, hydrocarbon	3		1864
1091.	Gas oil	3		1202
1092.	Gasoline	3		1203
1093.	Gasoline casing head	3		1257
1094.	Gelatine, blasting	1.1	+	0081
1095.	Gelatine dynamites	1.1	+	0081
1096.	Germane	2.1	2.3 6.1	2192
1097.	Germanium hydride	2.1	2.3 6.1	2192
1098.	Glycerol-α-monochlorohydrin	6.1	+	2689
1099.	Glyceryl trinitrate	1.1	6.1	0143
		1.1	+	0144
		3		1204
1100.	Glycidaldehyde	3	6.1	2622
1101.	Grenades, hand or rifle, with bursting charge	1.1	+	0284
		1.1	+	0292
		1.2	+	0285
		1.2	+	0293
1102.	Grenades, hand or rifle, practice	1.2	+	0372
		1.3	+	0318
		1.4	+	0110
1103.	Grenades, illuminating	1.2	+	0171
		1.3	+	0254
1104.	Grenades, smoke	1.2	+	0245
		1.3	+	0246
		1.2	+ 8	0015
		1.3	+ 8	0016
		1.4	+	0303
1105.	Guanidine nitrate	5.1		1467
1106.	Guanyl nitrosamino guanylidane hydrazine, containing by mass, at least 30 percent water	1.1	+	0113

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1107.	Guanyl nitrosamino guanyl tetrazene (tetrazene), containing by mass, at least 30 percent water or mixture of alcohol and water	1.1	+	0114
1108.	Gun powder	1.1 1.1	+ +	0027 0028
1109.	Gutta percha solution	3		1205
1110.	Hafnium metal powder, dry	4.2		2545
	a) Mechanically produced, having a particle size between 3 and 53 µm			
	b) Chemically produced, having a particle size between 10 and 840 µm			
1111.	Hafnium metal powder, wet with not less than 25 percent water (a visible excess of water must be present)	4.1		1326
	a) Mechanically produced, having a particle size less than 53 microns			
	b) Chemically produced, having a particle size less than 840 micron			
1112.	Halogenated irritating liquids, N.O.S.	6.1		1610
1113.	Hay, straw or *BHUSA*	4.1	4.2	1327
1114.	Heavy hydrogen	2.1		1957
1115.	Helium, compressed	2.2		1046
1116.	Helium, refrigerated liquid	2.2		1963
1117.	Heptane and its isomers	3		1206
1118.	4-Heptanone	3		2710
1119.	*n*-Heptane	3		2278
1120.	Hexachloroacetone	6.1		2661
1121.	Hexachlorobenzene	6.1		2729
1122.	Hexachlorobutadiene	6.1		2279
1123.	Hexachlorophene	6.1		2875
1124.	Hexachlorocyclopentadiene	6.1		2646
1125.	Hexachloro-2-propanone	6.1		2661
1126.	Hexadecyltrichlorosilane	8		1781
1127.	Hexadiene	3		2458
1128.	Hexaethyl tetraphosphate	6.1		1611
1129.	Hexaethyl tetraphosphate and compressed gas mixtures	2.3		1612
1130.	Hexafluoroacetone	2.3		2420
1131.	Hexafluoroacetone hydrate	6.1		2552
1132.	Hexafluoroethane	2		2193
1133.	Hexafluorophosphoric acid	8		1782

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1134.	Hexafluoropropylene	2.3		1858
1135.	Hexahydrocresol	3		2617
1136.	Hexahydromethyl phenol	3		2617
1137.	Hexaldehyde	3		1207
1138.	Hexamethylenediamine, solid	8		2280
1139.	Hexamethylenediamine, solution	8	6.1	1783
1140.	Hexamethylenedi-*iso*-cyanate	6.1		2281
1141.	Hexamethyleneimine	6.1		2493
1142.	3,3,6,6,9,9-hexamethyl-1,2,4,5-tetroxonane, technical pure	5.2	E	2165
	Max 52 percent with inert solid	5.2		2166
	Max 52 percent in solution	5.2		2167
1143.	Hexamine	4.1		1328
1144.	Hexane and its isomers	3		1208
1145.	Hexanitrodiphenylamine	1.1	+	0079
1146.	Hexanitrostilbene	1.1	+	0392
1147.	Hexonols	3		2282
1148.	Hexatonal (hexogen mixed with trinitrotoluene and aluminium), cast	1.1	+	0393
1149.	Hex-l-ene	3		2370
1150.	Hexogene	1.1	+ 6.1	0072
1151.	Hexolite, dry or containing, by mass less than 15 percent water	1.1	+	0118
1152.	Hexyl	1.1	+	0079
1153.	Hexyltrichlorosilane	8		1784
1154.	H.M.X	1.1	+	0226
1155.	Hydrazine, anhydrous and its aqueous solutions, containing more than 64 percent by mass, hydrazine	8	6.1	2029
1156.	Hydrazine, hydrate and aqueous solutions of hydrazine, containing not more than 64 percent by mass, hydrazine	8	6.1	2030
1157.	Hydrides, metal, N.O.S.	4.3		1409
1158.	Hydroiodic acid	8		1787
1159.	Hydroiodic acid, anhydrous	2.3	8	2197
1160.	Hydrobromic acid	8		1788
1161.	Hydrocarbon gases and mixtures of such gases, compressed, N.O.S.	2	3	1964
1162.	Hydrocarbon gases and mixtures of such gases, liquefied, N.O.S.	2		1965

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1163.	Hydrochloric acid in solution	8		1789
1164.	Hydrocyanic acid	2.1 6.1	2.3	1051 1614
1165.	Hydrocyanic acid, aqueous solutions, containing not more than 20 percent of that substance	6.1		1613
1166.	Hydrofluoboric acid	8		1775
1167.	Hydrofluoric acid solution	8	6.1	1790
1168.	Hydrofluoric and sulphuric acid mixtures	8	6.1	1786
1169.	Hydrofluosilicic acid	8		1778
1170.	Hydrogen arsenide	2.3		2188
1171.	Hydrogen bromide, anhydrous	2.3		1048
1172.	Hydrogen bromide solution	8		1788
1173.	Hydrogen chloride, anhydrous	2.3	8	1050
1174.	Hydrogen chloride, refrigerated liquid	2.3	8	2186
1175.	Hydrogen compressed	2.1		1049
1176.	Hydrogen cyanide, anhydrous, stabilized	2.3		1051
1177.	Hydrogen cyanide, anhydrous, stabilized absorbed in a porous inert material	6.1		1614
1178.	Hydrogen fluoride, anhydrous	2.3	6.1 8	1052
1179.	Hydrogen fluoride solution	8	6.1	1790
1180.	Hydrogen iodide	2.3	8	2197
1181.	Hydrogen iodide solution	8		1787
1182.	Hydrogen and methane mixtures (inflammable compressed gas)	2.1		2034
1183.	Hydrogen peroxide, aqueous solutions, containing at least 8 percent and not more than 60 percent hydrogen peroxide (stabilized as necessary)	5.1	8	2014
1184.	Hydrogen peroxide, and its aqueous solutions, stabilized, containing more than 60 percent hydrogen peroxide	5.1	8	2015
1185.	Hydrogen peroxide, solid	5.1		1511
1186.	Hydrogen refrigerated, liquid	2.1		1966
1187.	Hydrogen selenide anhydrous	2.1	6.1	2202
1188.	Hydrogen silicide	2.1	3 6.1	2203
1189.	Hydrogen sulphide, liquefied	2.1	3 6.1	1053
1190.	Hydroquinol	6.1		2662
1191.	Hydroquinone	6.1		2662

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1192.	Hydroselenic acid	2.3	2.1 6.1	2202
1193.	Hydrosilicofluoric acid	8		1778
1194.	3-Hydroxybutan-2-one	3		2621
1195.	1-Hydroxy-hydroperoxy dicyclohexyl peroxide, technical pure and mixtures with bis-(1-hydroxy cyclohexyl) peroxide	5.2	E	2117
	More than 90 percent with less than 10 percent water	5.2	I	2118
	Max 72 percent as a paste or in solution 90 percent or less with at least 10 percent water	5.2	I	2119
1196.	1-Hydroxy-3,3-methyl-2-penten-4-yne	8		2705
1197.	3-Hydroxyphenol	6.1		2876
1198.	Hypochlorite, solutions containing more than 5 percent available chlorine	8		1791
1199.	Igniters	1.1	+	0121
		1.2	+	0314
		1.3	+	0315
		1.4	+	0325
1200.	Igniter for aircraft thrust device for assisted take-off	4.1		2792
1201.	3, 3'-Imino-bis-propylamine	8		2269
1202.	Indian berry	6.1		1584
1203.	Indian rubber	3		1287
1204.	Inflammable liquid preparations 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	3		1142
1205.	Inflammable liquids, non-toxic, N.O.S.	3		1993
1206.	Inflammable liquids, toxic, N.O.S.	3	6.1	1992
1207.	Inflammable solids, N.O.S.	4.1		1325
1208.	Infectious substances, human, N.O.S.	6.2		2814
1209.	Infectious substances, non-human, N.O.S.	6.2		2900
1210.	Ink, printer's with a flash point below 32°C	3		1210
1211.	Ink, printer's with a flash point of 32°C or above	3		2867
1212.	Insecticide gases, toxic, N.O.S.	2.3		1967
1213.	Insecticide gases, non-toxic, N.O.S.	2.2		1968
1214.	Iodine monochloride	8		1792
1215.	Iodine pentafluoride	5.1	6.1	2495
1216.	2-Iodobutane	3		2390
1217.	Iodomethane	6.1		2644
1218.	Iodo-methylpropane	3		2391
1219.	Iodo-propanes	3		2392

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1220.	α-Iodotoluene	6.1		2653
1221.	Iron chloride	8		1773
1222.	Iron chloride solution	8		2582
1223.	Iron oxide, spent, or iron sponge, spent (obtained from coal gas purification)	4.2		1376
1224.	Iron pentacarbonyl	6.1	3	1994
1225.	Iron perchloride	8		1773
1226.	Iron powder, pyrophoric	4.2		1383
1227.	Iron sesquichloride	8		1773
1228.	*Iso*-butane and *iso*-butane mixtures	2.1		1969
1229.	*Iso*-butanol	3		1212
1230.	*Iso*-butane	2.1		1055
1231.	*Iso*-butyl acetate	3		1213
1232.	*Iso*-butyl acrylate	3		2527
1233.	*Iso*-butyl alcohol	3		1212
1234.	*Iso*-butyl aldehyde	3		2045
1235.	*Iso*-butylamine	3		1214
1236.	*Iso*-butylene	2.1		1055
1237.	*Iso*-butyl formate	3		2393
1238.	*Iso*-butyl *iso*-butyrate	3		2528
1239.	*Iso*-butyl *iso*-cyanate	3	6.1	2486
1240.	*Iso*-butyl methacrylate	3		2283
1241.	*Iso*-butyl propionate	3		2394
1242.	*Iso*-butyraldehyde	3		2045
1243.	*Iso*-butyric acid	3		2529
1244.	*Iso*-butyric anhydride	3		2530
1245.	*Iso*-butyronitrile	3	6.1	2284
1246.	*Iso*-butyrylchloride	3	8	2395
1247.	*Iso*-cyanates with a boiling point below 300°C and a flash point of 23°C or above and their solutions, N.O.S.	6.1		2206
1248.	*Iso*-cyanates with a boiling point of 300°C and above and their solutions, N.O.S.	6.1		2207
1249.	*Iso*-cyanates and their solutions with a flash point of less than 23°C, N.O.S.	3	6.1	2478
1250.	*Iso*-cyanatobenzotrifluorides	6.1		2285
1251.	*Iso*-dodecane	3		2286
1252.	*Iso*-heptene	3		2287

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1253.	*Iso*-hexene	3		2288
1254.	*Iso*-octane	3		1262
1255.	*Iso*-octene	3		1216
1256.	*Iso*-pentane	3		1265
1257.	*Iso*-pentenes	3		2371
1258.	*Iso*-pentylamine	3		1106
1259.	*Iso*-pentyl nitrite	3		1113
1260.	*Iso*-phoronediamine	8		2289
1261.	*Iso*-phoronedi-*iso*-cyanate	6.1		2290
1262.	*Iso*-phoronedi-*iso*-cyanate 70 percent, by mass, solution	3		2906
1263.	*Iso*-prene, inhibited	3		1218
1264.	*Iso*-propanol	3		1219
1265.	*Iso*-propenyl acetate	3		2403
1266.	*Iso*-propenyl benzene	3		2303
1267.	*Iso*-propyl acetate	3		1220
1268.	*Iso*-propyl acid phosphate	8		1793
1269.	*Iso*-propyl alcohol	3		1219
1270.	*Iso*-propylamine	3		1221
1271.	*Iso*-propylbenzene	3		1918
1272.	*Iso*-propyl bromide	3		2344
1273.	*Iso*-propyl butyrate	3		2405
1274.	*Iso*-propyl chloride	3		2356
1275.	*Iso*-propyl chloroformate	3	8	2407
1276.	*Iso*-propylether	3		1159
1277.	*Iso*-propylcumyl hydroperoxide	5.2		2171
1278.	*Iso*-propylethylene	3		2561
1279.	*Iso*-propyl formate	3		2408
1280.	*Iso*-propyl *iso*-butyrate	3		2406
1281.	*Iso*-propyl *iso*-cyanate	3	6.1	2483
1282.	*Iso*-propyl mercaptan	3		2703
1283.	*Iso*-propyl nitrate	3		1222
1284.	*Iso*-propyl peroxydicarbonate, technical pure *Max* 52 percent in solution	5.2 5.2	E	2133 2134
1285.	*Iso*-propyl propionate	3		2409
1286.	*Iso*-propyltoluene	3		2046

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1287.	*Iso*-propyltoluol	3		2046
1288.	*Iso*-sorbide dinitrate mixture containing atleast 60 percent lactose, mannose, starch or calcium hydrogen phosphate	4.1		2907
1289.	*Iso*-valeraldehyde	3		2058
1290.	Jet perforating guns, oil well, charged, without detonator	1.1	+	0124
1291.	Jet tappers, without detonator	1.1	+	0059
1292.	Kerosene	3		1223
1293.	Ketones, liquid, N.O.S.	3		1224
1294.	Krypton, compressed	2.2		1056
1295.	Krypton, refrigerated liquid	2.2		1970
1296.	Lamp black	4.2		1361
1297.	Lauroyl peroxide, technical pure *Max* concentration, 42 percent, stable dispersion in water	5.2 5.2		2124 2893
1298.	Lead acetate	6.1		1616
1299.	Lead arsenates	6.1		1617
1300.	Lead arsenites	6.1		1618
1301.	Lead azide containing, by mass, at least 20 percent water or mixture of alcohol and water	1.1	+	0129
1302.	Lead compounds, soluble, N.O.S.	6.1		2291
1303.	Lead cyanide	6.1		1620
1304.	Lead dioxide	5.1		1872
1305.	Lead nitrate	5.1	6.1	1469
1306.	Lead perchlorate	5.1	6.1	1470
1307.	Lead peroxide	5.1		1872
1308.	Lead styphnate containing, by mass, at least 20 percent water or mixture of alcohol and water	1.1	+	0130
1309.	Lead sulphate containing more than 3 percent free acid	8		1794
1310.	Lead tetraethyl	6.1		1649
1311.	Lead trinitroresorcinate	1.1	+	0130
1312.	Lighters for cigars, cigarettes, etc, containing inflammable gas; inflammable gas for such lighters	2.1		1057
1313.	Lighters for cigars, cigarettes, etc. containing lighter fluid; fluid for such lighters	3		1226
1314.	Lighters, fuse	1.4	+	0131
1315.	Limonene, inactive	3		2052
1316.	Liquefied non-inflammable gases charged with nitrogen, carbon dioxide or air	2.2		1058

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1317.	Lithium alkyls	4.2		2445
1318.	Lithium aluminium hydride	4.3		1410
1319.	Lithium aluminium hydride, ethereal	4.3		1411
1320.	Lithium amide	4.3		1412
1321.	Lithium borohydride	4.3		1413
1322.	Lithium ferrosilicon	4.3		2830
1323.	Lithium hydride	4.3		1414
1324.	Lithium hydride in fused solid form	4.3		2805
1325.	Lithium hydroxide monohydrate	8		2680
1326.	Lithium hydroxide solution	8		2679
1327.	Lithium hypochlorite, dry, including compounds	5.1		1471
1328.	Lithium, metal	4.3		1415
1329.	Lithium nitrate	5.1		2722
1330.	Lithium nitride	4.3		2806
1331.	Lithium peroxide	5.1		1472
1332.	Lithium silicon	4.3		1417
1333.	Liquefied Petroleum Gas (LPG)	2.1		1075
1334.	London purple	6.1		1621
1335.	Lye	8		1824
1336.	Lythene	3		1271
1337.	Magnesium aluminium phosphide	4.3		1419
1338.	Magnesium arsenate	6.1		1622
1339.	Magnesium bisulphite solution	8		2693
1340.	Magnesium bromate	5.1		1473
1341.	Magnesium chlorate	5.1		2723
1342.	Magnesium chloride and chlorate mixtures	5.1		1459
1343.	Magnesium diamide	4.2		2004
1344.	Magnesium diphenyl	4.2		2005
1345.	Magnesium fluorosilicate	6.1		2853
1346.	Magnesium hydride	4.3		2010
1347.	Magnesium and magnesium alloys, containing more than 50 percent magnesium in pellets, turnings or ribbons	4.1		1869
1348.	Magnesium and magnesium alloys, powders	4.3	4.2	1418
1349.	Magnesium nitrate	5.1		1474
1350.	Magnesium perchlorate	5.1		1475

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1351.	Magnesium peroxide	5.1		1476
1352.	Magnesium phosphide	4.3	6.1	2011
1353.	Magnesium silicide	4.3		2624
1354.	Magnesium silicofluoride	6.1		2853
1355.	Magnetized substances	9		2807
1356.	Maleic anhydride	8		2215
1357.	Malonic dinitrile	6.1		2647
1358.	Malonic ethyl ester nitrile	6.1		2666
1359.	Malononitrile	6.1		2647
1360.	Maneb or maneb preparations, stabilized with not less than 60 percent 'maneb'	4.3 4.3		2210 2968
1361.	Manganese nitrate	5.1		2724
1362.	Manganese resinate	4.1		1330
1363.	Mannitol hexanitrate (nitromannite) containing, by mass, at least 40 percent water or mixture of alcohol and water	1.1	+	0133
1364.	Matches, fuse	4.1		2254
1365.	Matches, safety	4.1		1944
1366.	Matches, 'strike anywhere'	4.1		1331
1367.	Matches, wax 'vesta'	4.1		1945
1368.	Medicines, N.O.S.			1851
1369.	*P*-Menthane hydroperoxide, technical pure	5.2	I	2125
1370.	Mercaptans and mixtures, liquid, N.O.S.	3	6.1	1228
1371.	Mercuric arsenate	6.1		1623
1372.	Mercuric chloride	6.1		1624
1373.	Mercuric nitrate	6.1		1625
1374.	Mercuric potassium cyanide	6.1		1626
1375.	Mercuric sulphate	6.1		1645
1376.	Mercurol	6.1		1639
1377.	Mercurous nitrate	6.1		1627
1378.	Mercurous sulphate	6.1		1628
1379.	Mercury acetate	6.1		1629
1380.	Mercury ammonium chloride	6.1		1630
1381.	Mercury based pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2778
1382.	Mercury based pesticides (compounds and preparations) toxic, N.O.S.	6.1		2777

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1383.	Mercury benzoate	6.1		1631
1384.	Mercury biochloride	6.1		1624
1385.	Mercury bisulphate	6.1		1633
1386.	Mercury bromides	6.1		1634
1387.	Mercury compounds, non-explosive, liquid, N.O.S.	6.1		2024
1388.	Mercury compounds, non-explosive, solid, N.O.S.	6.1		2025
1389.	Mercury cyanide	6.1		1636
1390.	Mercury fulminate, containing, by mass, at least 20 percent water or mixture of alcohol and water	1.1	+	0135
1391.	Mercury gluconate	6.1		1637
1392.	Mercury iodide	6.1		1638
1393.	Mercury, metal	8		2809
1394.	Mercury nucleate	6.1		1639
1395.	Mercury oleate	6.1		1640
1396.	Mercury oxide	6.1		1641
1397.	Mercury oxycyanide, phlegmatized	6.1		1642
1398.	Mercury potassium iodide	6.1		1643
1399.	Mercury salicylate	6.1		1644
1400.	Mercury thiocyanate	6.1		1646
1401.	Mesitylene	3		2325
1402.	Mesityl oxide	3		1229
1403.	Metadiaminobenzene	6.1		1673
1404.	Metadibromobenzene	3		2711
1405.	Metal alkyls, N.O.S.	4.2		2003
1406.	Metaldehyde	4.1		1332
1407.	Metanitroaniline	6.1		1661
1408.	Metanitrophenol	6.1		1663
1409.	Metanitrotoluene	6.1		1664
1410.	Metanitroxylene	6.1		1665
1411.	Metaphenylenediamine	6.1		1673
1412.	Methacrylic acid, inhibited	8		2531
1413.	Methacrylaldehyde	3	6.1	2396
1414.	Methallyl alcohol	3		2614
1415.	Methanol	9		2209
1416.	Methane and hydrogen	2.1		2034
1417.	Methane and natural gases with a high methane content, compressed	2.1		1971

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1418.	Methane and natural gases with a high methane content, refrigerated liquid	2.1		1972
1419.	Methanol	3	6.1	1230
1420.	3-Methoxy-1-acetoxybutane	3		2708
1421.	Methoxymethyl *iso*-cyanate	3	6.1	2605
1422.	4-Methoxy-4-methylpentan-2-one	3		2293
1423.	1-Methoxy-2-nitrobenzene	6.1		2730
1424.	1-Methoxy-3-nitrobenzene	6.1		2730
1425.	1-Methoxy-4-nitrobenzene	6.1		2730
1426.	Methyl acetate	3		1231
1427.	Methyl acetone	3		1232
1428.	Methyl acetylene propadiene mixtures, stabilized	2.1		1060
1429.	β-Methyl acrolein	3		1143
1430.	Methyl acrylate, inhibited	3		1919
1431.	Methylal	3		1234
1432.	Methyl alcohol	3	6.1	1230
1433.	Methyl allyl alcohol	3		2614
1434.	Methyl allyl chloride	3		2554
1435.	Methyl aluminium sesquibromide	4.2		1926
1436.	Methyl aluminium sesquichloride	4.2		1927
1437.	Methylamine, anhydrous	2.1		1061
1438.	Methylamine, aqueous solution	3		1235
1439.	Methyl amylacetate	3		1233
1440.	Methyl amyl alcohol	3		2053
1441.	Methyl amyl ketone	3		1110
1442.	*N*-Methyl aniline	6.1		2294
1443.	Methyl bromoacetate	6.1		2643
1444.	Methyl bromide	2.3		1062
1445.	Methyl bromide and chloropicrin mixtures	2.3		1581
1446.	Methyl bromide and ethylene dibromide liquid mixtures	6.1		1647
1447.	3-Methyl butan-2-one	3		2397
1448.	2-Methyl 1-butene	3		2459
1449.	2-Methyl 2-butene	3		2460
1450.	3-Methyl 1-butene	3		2561
1451.	Methyl *tert*-butylether	3		2398

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1452.	Methyl butyrate	3		1237
1453.	Methyl chloride	2.1		1063
1454.	Methyl chloride and chloropicrin mixtures	2.3		1582
1455.	Methyl chloride and methylene chloride mixtures	2.1	2.3	1912
1456.	Methyl chloroacetate	3		2295
1457.	Methyl chlorocarbonate	3	6.1 8	1238
1458.	Methyl chloroformate	3	6.1 8	1238
1459.	Methyl chloroform	6.1		2831
1460.	Methyl chloromethyl ether	3		1239
1461.	Methyl chlorosilane	3	8	2534
1462.	Methyl cyanide	3	6.1	1648
1463.	Methyl cyclohexane	3		2296
1464.	Methyl cyclohexanols of flash point below 60.5°C	3		2617
1465.	Methyl cyclohexanone	3		2297
1466.	Methyl cyclopentane	3		2298
1467.	Methyl dichloroacetate	6.1		2299
1468.	Methyl dichlorosilane	3	8	1242
1469.	Methylene bis-(phenylene-di-*iso*-cyanate)	6.1		2489
1470.	Methylene bis-(4-phenyl *iso*-cyanate)	6.1		2489
1471.	2,2'-Methylene-bis-(3,4,6-richlorophenol)	6.1		2875
1472.	Methylene bromide	6.1		2664
1473.	Methylene chloride	6.1		1593
1474.	Methylene chloride and methyl chloride mixtures	2		1912
1475.	Methylene cyanide	6.1		2647
1476.	*p*, *p*'-Methylene dianiline	6.1		2651
1477.	Methylene dibromide	6.1		2664
1478.	Methyl ethyl ketone	3		1193
1479.	Methyl ethyl ketone peroxide(s), *Max* 60 percent	5.2	E	2127
	Max 50 percent with more than 10 percent available oxygen	5.2	I	2563
	Max concentration or 50 percent with not more than 10 percent available oxygen	5.2	I	2550
1480.	2-Methyl-5-ethyl pyridine	6.1		2300
1481.	Methyl fluoride	2.3		2454
1482.	Methyl formate	3		1243
1483.	2-Methylfuran	3		2301

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1484.	Methyl glycol	3		1188
1485.	5-Methylhexan-2-one	3		2302
1486.	Methylhydrazine	3	8	1244
1487.	Methyl iodide	6.1		2644
1488.	Methyl *iso*-butyl carbinol	3		2053
1489.	Methyl *iso*-butyl ketone	3		1245
1490.	Methyl *iso*-butyl ketone peroxide, *Max* 62 percent in solution	5.2	I	2126
1491.	Methyl *iso*-cyanate and solutions	3	6.1	2480
1492.	Methyl *iso*-thiocyanate	3	6.1	2477
1493.	Methyl *iso*-propenyl ketone, inhibited	3		1246
1494.	Methyl *iso*-valerate	3		2400
1495.	Methyl magnesium bromide in ethyl ether	4.2		1928
1496.	Methylmercaptan	2.1	6.1	1064
1497.	Methyl methacrylate monomer, inhibited	3		1247
1498.	Methyl morpholine	3	8	2535
1499.	Methyl nitrite	2.1	2.3	2455
1500.	Methyl silicate	3	6.1	2606
1501.	Methylpentadiene	3		2461
1502.	Methylpentanes	3		2462
1503.	2-Methylpentan-2-ol	3		2560
1504.	4-Methylpentan-2-ol	3		2053
1505.	3-Methyl-2-pentene-4-yne-ol	8		2705
1506.	Methylphenyldichlorosilane	3		2437
1507.	1-Methylpiperidine	3		2399
1508.	Methyl propionate	3		1248
1509.	Methylpropylbenzene	3		2046
1510.	Methyl propyl ether	3		2612
1511.	Methyl propyl ketone	3		1249
1512.	Methyl pyridines	3		2313
1513.	Methyl sulphate	6.1		1595
1514.	Methyl sulphide	3		1164
1515.	Methyl styrene	3		2618
1516.	α-Methyl styrene	3		2303
1517.	Methyltetrahydrofuran	3		2536
1518.	Methyl trichloroacetate	6.1		2533

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1519.	Methyltrichlorosilane	3	8	1250
1520.	α-Methyl valeraldehyde	3		2367
1521.	Methylvinylbenzene	3		2618
1522.	Methyl vinyl ether	2.1		1087
1523.	Methyl vinyl ketone	3		1251
1524.	Methyl *iso*-butyl carbinol (M.I.B.C.)	3		2053
1525.	Mineral butter	8		1733
1526.	Mines, with bursting charge	1.1	+	0136
		1.1	+	0137
		1.2	+	0138
		1.2	+	0294
1527.	Mirbane oil	6.1		1662
1528.	Mischmetal	4.1		1333
1529.	Molybdenum pentachloride	8		2508
1530.	Monochloroacetic acid	8		1750
1531.	Monochlorobenzene	3		1134
1532.	Monochlorodifluoromethane	2.3		1018
1533.	Monochlorodifluoromethane and monochloropentafluoroethane mixture with fixed boiling point, containing about 49 percent of monochlorodifluoromethane	2.2		1973
1534.	Monochlorodifluoromonobromomethane	2.2		1974
1535.	Monochloropentafluoroethane and monochlorodifluoromethane mixture	2.2		1973
1536.	Monoethylamine	2.1		1036
1537.	Monopropylamine	3		1277
1538.	Morfamquat	6.1		2781
		6.1	3	2782
1539.	Morpholine	3		2054
1540.	Motor fuel anti-knock compounds	6.1		1649
1541.	Motor spirit	3		1203
1542.	Muriatic acid	8		1789
1543.	Naphtha	3		2553
1544.	Naphthalene, crude or refined	4.1		1334
1545.	Naphthalene, molten	4.1		2304
1546.	Naphtha, petroleum	3		1255
1547.	Naphtha, solvent	3		1256
1548.	α-Naphthylamine	6.1		2077

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1549.	β-Naphthylamine	6.1		1650
1550.	Naphthylthiourea	6.1		1651
1551.	Naphthylurea	6.1		1652
1552.	Natural gases and methane, compressed refrigerated	2.1 2.1		1971 1972
1553.	Natural gasoline	3		1257
1554.	Neohexane	3		1208
1555.	Neon, compressed	2.2		1065
1556.	Neon, refrigerated liquid	2.2		1913
1557.	Neopentane	2.1		2044
1558.	Neothyl	3		2612
1559.	Nickel carbonyl	6.1		1159
1560.	Nickel catalyst, dry	4.2		2881
1561.	Nickel catalyst, finely divided, activated or spent, wetted with not less than 40 percent by mass, of water or other suitable liquid	4.2		1378
1562.	Nickel cyanide	6.1	3	1653
1563.	Nickel nitrate	5.1		2725
1564.	Nickel nitrite	5.1		2726
1565.	Nicotine	6.1		1654
1566.	Nicotine, compounds and preparations thereof, N.O.S.	6.1		1655
1567.	Nicotine hydrochloride and solutions thereof	6.1		1656
1568.	Nicotine salicylate	6.1		1657
1569.	Nicotine sulphate, solid or in solution	6.1		1658
1570.	Nicotine tartrate	6.1		1659
1571.	Nitrates, inorganic, N.O.S.	5.1		1477
1572.	Nitrates of soda and potash, mixtures	5.1		1478
1573.	Nitric acid, red fuming	8	5.1 6.1	2032
1574.	Nitric acid, other than red fuming nitric acid	8		2031
1575.	Nitric oxide	2.3		1660
1576.	Nitric oxide and nitrogen tetroxide mixtures	2.3		1975
1577.	Nitrites, inorganic, N.O.S.	5.1		2627
1578.	Nitroanilines	6.1		1661
1579.	Nitroanisole	6.1		2730
1580.	Nitrobenzene	6.1		1662
1581.	Nitrobenzene bromide	6.1		2732

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1582.	Nitrobenzene sulphonic acid	8		2305
1583.	Nitrobenzol	6.1		1662
1584.	5-Nitrobenzotriazol	1.1	+	0385
1585.	Nitrobenzotrifluorides	6.1		2306
1586.	Nitrobromobenzene	6.1		2732
1587.	Nitrocellulose with not less than 18 percent plasticizing substance, by mass	1.3	+	0343
1588.	Nitrocellulose with not less than 25 percent alcohol by mass	1.3	+	0342
1589.	Nitrocellulose with, by mass, a nitrogen content not exceeding 12.6 percent (collodion cotton) in solution in inflammable liquids with a flash point below 23°C, containing not more than 55 percent nitrocellulose	3		2059
1590.	Nitrocellulose with, by mass, a nitrogen content not exceeding 12.6 percent (collodion cotton) in solution in inflammable liquids with a flash point between 23°C and 60.5°C inclusive, whether or not miscible with water, containing not more than 55 percent nitrocellulose	3		2060
1591.	Nitrocellulose with less than 18 percent plasticizing substance, by mass	1.1	+	0341
1592.	Nitrocellulose with less than 25 percent water (or alcohol), by mass	1.1	+	0340
1593.	Nitrocellulose with not less than 18 percent plasticizing substance, by mass and not exceeding 12.6 percent nitrogen, by dry mass	4.1		2557
1594.	Nitrocellulose with not less than 25 percent alcohol, by mass and not exceeding 12.6 percent nitrogen, by dry mass	4.1		2556
1595.	Nitrocellulose with not less than 25 percent water, by mass	4.1		2555
1596.	Nitrochlorobenzene	6.1		1578
1597.	3-Nitro-4-chlorobenzotrifluoride	6.1		2307
1598.	Nitrocresols	6.1		2446
1599.	Nitroethane	3		2482
1600.	Nitrogen, compressed	2.2		1066
1601.	Nitrogen dioxide, liquefied	2.3	5.1 8	1067
1602.	Nitrogen, mixtures with rare gases, compressed	2.2		1981
1603.	Nitrogen, refrigerated liquid	2.2		1977
1604.	Nitrogen tetroxide	2.3		1067
1605.	Nitrogen tetroxide and nitric oxide mixtures	2.3	5.1 8	1975

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1606.	Nitrogen trifluoride	2.3	2.1	2451
1607.	Nitrogen trioxide	2.3	2.1	2421
1608.	Nitroglycerin, desensitized with at least 40 percent, by mass, non-volatile, water-insoluble phlegmatizer	1.1	+ 6.1	0143
1609.	Nitroglycerin, solution in alcohol containing not more than 1 percent nitroglycerin	3		1204
1610.	Nitroglycerin, spirit of, containing more than 1 percent but not more than 10 percent nitroglycerin in solution in alcohol	1.1	+	0144
1611.	Nitroguanidine, dry or containing, by mass, less than 20 percent water	1.1	+	0282
1612.	Nitroguanidine, wetted with, by mass, at least 20 percent water	4.1		1336
1613.	Nitrohydrochloric acid	8		1798
1614.	Nitromannite	1.1	+	0133
1615.	Nitromethane	3		1261
1616.	Nitromuriatic acid	8		1798
1617.	Nitronaphthalene	4.1		2538
1618.	Nitrophenols	6.1		1663
1619.	Nitropropanes	3		2608
1620.	*p*-Nitrosodimethylaniline	4.2		1369
1621.	Nitrostarch, dry or containing, by mass, less than 20 percent water	1.1	+	0146
1622.	Nitrostarch wetted with, by mass, at least 20 percent water	4.1		1337
1623.	Nitrosyl chloride	2.3	8	1069
1624.	Nitrosylsulphuric acid	8		2308
1625.	Nitrotoluenes	6.1		1664
1626.	Nitrotoluidines (mono)	6.1		2660
1627.	Nitro urea	1.1	+	0147
1628.	Nitrous oxide, compressed	2.3		1070
1629.	Nitrous oxide and carbon dioxide mixtures	2.3		1015
1630.	Nitrous oxide, refrigerated liquid	2.3		2201
1631.	Nitroxylenes	6.1		1665
1632.	Non-activated carbon	4.2		1361
1633.	Non-activated charcoal	4.2		1361
1634.	Nonane and its isomers	3		1920
1635.	Nonyltrichlorosilane	8		1799

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1636.	Octadecyltrichlorosilane	8		1800
1637.	Octadiene	3		2309
1638.	Octafluorobut-2-ene	2.2		2422
1639.	Octafluorocyclobutane	2.2		1976
1640.	Octafluoropropane	2.2		2424
1641.	Octane and its isomers	3		1262
1642.	*n*-Octanoyl peroxide, technical pure	5.2		2129
1643.	Octogene	1.1	+	0226
1644.	Octol	1.1	+	0266
1645.	Octolite dry or containing, by mass, less than 15 percent water	1.1	+	0266
1646.	Octyltrichlorosilane	8		1801
1647.	Oil gas	2.1		1071
1648.	Organic peroxides, mixtures	5.2		2756
1649.	Organic peroxides, N.O.S., samples	5.2		2255
1650.	Organic peroxides, N.O.S., trial quantities	5.2		2899
1651.	Organochlorine pesticides (compounds and preparations) liquid, toxic, N.O.S., flash point below 32°C	6.1	3	2762
1652.	Organochlorine pesticides (compounds and preparations) toxic, N.O.S.	6.1		2761
1653.	Organophosphorus pesticides (compounds and preparations) liquid, toxic, N.O.S. with flash point below 32°C	6.1	3	2784
1654.	Organophosphorus pesticides (compounds and preparations) toxic, N.O.S.	6.1		2783
1655.	Organotin compounds, N.O.S.	6.1		2788
1656.	Organotin pesticides (compounds and preparations), toxic, N.O.S.	6.1		2786
1657.	Organotin pesticides (compounds and preparations), liquid, toxic, N.O.S., with a flash point below 32°C	6.1	3	2787
1658.	Orthodiaminobenzene	6.1		1673
1659.	Othodichlorobenzene	6.1		1591
1660.	Othonitroaniline	6.1		1661
1661.	Othonitrolphenol	6.1		1663
1662.	Othonitrotoluene	6.1		1664
1663.	Othonitroxylene	6.1		1665
1664.	Otho-phosphoric acid	8		1805
1665.	Osmium tetroxide	6.1		2471

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1666.	Oxalates, water soluble	6.1		2449
1667.	Oxidizing substances, N.O.S.	5.1		1479
1668.	Oxirane	2.1		1040
1669.	Oxygen, compressed	2.2	5.1	1072
1670.	Oxygen difluoride	2.3		2190
1671.	Oxygen refrigerated liquid	2.2	5.1	1073
1672.	Oxygen and carbon dioxide mixtures	2.2	5.1	1014
1673.	Oxygen mixtures with rare gases, compressed	2.2		1980
1674.	1-Oxy-4-nitrobenzene	6.1		1663
1675.	Paints, enamels, lacquers stains, shellac,varnish polishes, fillers (liquid), lacquer base and thinners, etc	3		1263
1676.	Paper treated with unsaturated oils incompletely dried (includes carbon paper)	4.2		1379
1677.	Paradiaminobenzene	6.1		1673
1678.	Paradichlorobenzene	6.1		1592
1679.	Paraffin	3		1223
1680.	Paraformaldehyde	4.1		2213
1681.	Paraldehyde	3		1264
1682.	Paranitroaniline	6.1		1661
1683.	Paranitrophenol	6.1		1663
1684.	Paranitrotoluene	6.1		1664
1685.	Paranitroxylene	6.1		1665
1686.	Paraquat	6.1		2781
		6.1	3	2782
1687.	Pelargonyl peroxide, technical pure	5.2		2130
1688.	Pentaborane	4.2	6.1	1380
1689.	Pentachloroethane	6.1		1669
1690.	Pentachlorophenol	6.1		2020
1691.	Pentaerythrite tetranitrate (pentaerythritol tetranitrate or petn), containing by mass, at least 25 percent water or at least 15 percent phlegmatizer	1.1	+	0150
1692.	Pentaerythritol tetranitrate	1.1	+	0150
1693.	Pentamethylheptane	3		2286
1694.	Pentanal	3		2058
1695.	Pentan-2,4-dione	3		2310
1696.	Pentane, normal and *iso*-pentane	3		1265
1697.	3-Pentanol	3		2706

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1698.	1-Pentene	3		1108
1699.	1-Pentol	8		2705
1700.	Pentolite, dry or containing, by mass, less than 15 percent water	1.1	+	0151
1701.	Pentyl nitrile	3		1113
1702.	Peracetic acid *Max* 43 percent in acetic acid or a mixture of acid and water, with not more than 6 percent hydrogen peroxide and not more than 1 percent sulphuric acid	5.2	8 I	2131
1703.	Perchlorates, inorganic, N.O.S.	5.1		1481
1704.	Perchloric acid, concentration not exceeding 50 percent, by mass of acid	8	5.1	1802
1705.	Perchloric acid, over 50 percent acid and not more than 72 percent acid, by mass	5.1	8	1873
1706.	Perchlorobenzene	6.1		2729
1707.	Perchlorocyclopentadiene	6.1		2646
1708.	Perchloroethylene	6.1		1897
1709.	Perchloromethylmercaptan	6.1		1670
1710.	Perfluoropropane	2		2424
1711.	Perfumery products containing inflammable solvents	3		1266
1712.	Permanganates, inorganic, N.O.S.	5.1		1482
1713.	Peroxides, metallic, N.O.S.	5.1		1483
1714.	Pesticides, liquid, toxic, N.O.S.	6.1		2902
1715.	Pesticides, liquid, toxic, inflammable, N.O.S.	6.1	3	2903
1716.	Pesticides, solid, liquid, N.O.S.	6.1		2588
1717.	Pesticides, toxic, under compressed gas, N.O.S.	2.3		1950
1718.	Petn	1.1	+	0150
1719.	Petn/tnt	1.1	+	0151
1720.	Petrol	3		1203
1721.	Petroleum crude oil	3		1267
1722.	Petroleum distillates, N.O.S.	3		1268
1723.	Petroleum ether	3		1271
1724.	Petroleum gases, liquefied	2	3	1075
1725.	Petroleum oil	3		1270
1726.	Petroleum raffinate, N.O.S.	3		1268
1727.	Petroleum spirit	3		1271
1728.	Phenacyl bromide	6.1		2645

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1729.	Phenetidines	6.1		2311
1730.	Phenol, molten	6.1		2312
1731.	Phenol, solid	6.1		1671
1732.	Phenol solutions	6.1		2821
1733.	Phenolsulphonic acid, liquid	8		1803
1734.	Phenoxyl pesticides (compounds and preparations) liquid, toxic, N.O.S. with flash point below 32°C	6.1	3	2766
1735.	Phenoxyl pesticides (compounds and preparations) toxic, N.O.S.	6.1		2765
1736.	Phenylacetonitrile, liquid	6.1		2470
1737.	Phenylcetyl chloride	8		2577
1738.	Phenylamine	6.1		1547
1739.	Phenylcarbylamine chloride	6.1		1672
1740.	Phenylchloroformate	6.1	8	2746
1741.	Phenyl cyanide	6.1		2224
1742.	Phenylenediamines	6.1		1673
1743.	Phenylethylene	3		2055
1744.	Phenylhydrazine	6.1		2572
1745.	Phenyl *iso*-cyanate	6.1		2487
1746.	Phenyl mercaptan	6.1	3	2337
1747.	Phenylmercuric acetate	6.1		1674
1748.	Phenylmercuric compounds, N.O.S.	6.1		2026
1749.	Phenylmercuric hydroxide	6.1		1894
1750.	Phenylmercuric nitrate	6.1		1895
1751.	Phenyl phosphorus dichloride	8		2798
1752.	Phenyl phosphorus thiodichloride	8		2799
1753.	2-Phenylpropene	3		2303
1754.	Phenyltrichlorosilane	8		1804
1755.	Phenyl urea pesticides (compounds and preparations) liquid, toxic, N.O.S. with flash point below 32°C.	6.1	3	2768
1756.	Phenyl urea pesticides (compounds and preparations) toxic, N.O.S.	6.1		2767
1757.	Phosgene	2.3	8	1076
1758.	Phosphine	2.1	6.1	2199
1759.	Phosphoretted hydrogen	2.1	6.1	2199
1760.	Phosphoric acid	8		1805

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1761.	Phosphoric acid, anhydrous	8		1807
1762.	Orthophosphorus acid	8		2834
1763.	Phosphorus, amorphous	4.1		1338
1764.	Phosphorus bromide	8		1808
1765.	Phosphorus chloride	6		1809
1766.	Phosphorus heptasulphide, free from yellow and white phosphorus	4.1		1339
1767.	Phosphorus oxybromide	8		1939
1768.	Phosphorus oxybromide, molten	8		2576
1769.	Phosphorus oxychloride	8		1810
1770.	Phosphorus pentabromide	8		2691
1771.	Phosphorus pentachloride	8		1886
1772.	Phosphorus pentafluoride	2	6.1	2198
1773.	Phosphorus pentasulphide, free from yellow and white phosphorus	4.1		1340
1774.	Phosphorus pentoxide	8		1807
1775.	Phosphorus sesquisulphide, free from yellow and white phosphorus	4.1	6.1	1341
1776.	Phosphorus sulphochloride	8		1837
1777.	Phosphorus tribromide	8		1808
1778.	Phosphorus trichloride	8		1809
1779.	Phosphorus trioxide	8		2578
1780.	Phosphorus trisulphide, free from yellow and white phosphorus	4.1		1343
1781.	Phosphorus, white or yellow, dry or under water or in solution	4.2	6.1	1381
1782.	Phosphorus white, molten	4.2	6.1	2447
1783.	Phosphoryl chloride	8		1810
1784.	Photo-flash powder in units	1.1 1.2 1.3	+ + +	0094 0096 0305
1785.	Phthalic anhydride	8		2214
1786.	Phthalimide derivative pesticides (compounds and preparations) liquid, toxic, N.O.S. with flash point below 32°C	6.1	3	2774
1787.	Phthalimide derivative pesticides (compounds and preparations) toxic, N.O.S.	6.1		2773
1788.	Picolines	3		2313
1789.	Picramide	1.1	+	0153
1790.	Picric acid	1.1	+	0154

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1791.	Picrite	1.1	+	0282
1792.	Picryl chloride	1.1	+	0155
1793.	Pinane hydroperoxide, technical pure	5.2	I	2162
1794.	Pindone	6.1		2472
1795.	α-Pinene	3		2368
1796.	Pine oil	3		1272
1797.	Piperazine	8		2579
1798.	Piperidine	3		2401
1799.	Pival	6.1		2472
1800.	Pivaloyl chloride	8	3	2438
1801.	Plastics, spontaneously combustible, N.O.S.	4.2		2006
1802.	Poisonous (toxic), corrosive liquids, N.O.S.	6.1	8	2927
1803.	Poisonous (toxic), corrosive solids, N.O.S.	6.1	8	2928
1804.	Poisonous (toxic), inflammable liquids, N.O.S.	6.1	3	2929
1805.	Poisonous (toxic), inflammable solids, N.O.S.	6.1	4.1	2930
1806.	Poisonous (toxic) liquids, N.O.S.	6.1		2810
1807.	Poisonous (toxic) solids, N.O.S.	6.1		2811
1808.	Polyamines	3 8 8		2733 2734 2735
1809.	Polychlorinated biphenyls	9		2315
1810.	Polystyrene beads, expandable, containing inflammable liquid	4.1		2211
1811.	Potash liquor	8		1814
1812.	Potassium arsenate	6.1		1677
1813.	Potassium arsenite	6.1		1678
1814.	Potassium bifluoride	8	6.1	1811
1815.	Potassium bisulphate	8		2509
1816.	Potassium bisulphite solution	8		2693
1817.	Potassium borohydride	4.3		1870
1818.	Potassium bromate	5.1		1484
1819.	Potassium chlorate	5.1		1485
1820.	Potassium chlorate mixed with mineral oil	1.1	+	0083
1821.	Potassium chlorate, solution	5.1		2427
1822.	Potassium cuprocyanide	6.1		1679
1823.	Potassium cyanide	6.1		1680
1824.	Potassium dithionite	4.2		1929

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1825.	Potassium fluoride	6.1		1812
1826.	Potassium fluoroacetate	6.1		2628
1827.	Potassium fluorosilicate	6.1		2655
1828.	Potassium hydrate	8		1814
1829.	Potassium hydrogen sulphate	8		2505
1830.	Potassium hydroxide, liquid	8		1814
1831.	Potassium hydroxide, solid	8		1813
1832.	Potassium hydroxide, solution	8		1814
1833.	Potassium metal	4.3		2257
1834.	Potassium metavanadate	6.1		2864
1835.	Potassium metal alloys	4.3		1420
1836.	Potassium nitrate	5.1		1486
1837.	Potassium nitrate mixed with sodium nitrite	5.1		1487
1838.	Potassium nitrite	5.1		1488
1839.	Potassium oxide	8		2033
1840.	Potassium perchlorate	5.1		1489
1841.	Potassium permanganate	5.1		1490
1842.	Potassium peroxide	5.1		1491
1843.	Potassium persulphate	5.1		1492
1844.	Potassium phosphide	4.3		2012
1845.	Potassium salts of nitro aromatic derivatives, explosive	1.3		0158
1846.	Potassium selenate	6.1		2630
1847.	Potassium selenite	6.1		2630
1848.	Potassium silicofluoride	6.1		2655
1849.	Potassium sodium alloys	4.3		1422
1850.	Potassium sulphide, anhydrous or containing less than 30 percent water of crystallization	4.2		1382
1851.	Potassium sulphide, hydrated, containing at least 30 percent water of crystallization	8		1847
1852.	Potassium superoxide	5.1		2466
1853.	Powder cake, containing by mass, at least 35 percent water	1.3	+	0159
1854.	Powder paste	1.3	+	0159
1855.	Powder smokeless	1.1	+	0160
		1.3	+	0161
1856.	Primers, cap type	1.1	+	0377
		1.4	+	0378
		1.4	+	0044

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1857.	Primers, tubular	1.3	+	0319
		1.4	+	0320
		1.4	+	0376
1858.	Primers, small arms	1.4	+	0044
1859.	Projectiles, illuminating	1.2	+	0171
		1.4	+	0054
1860.	Projectiles, inert, with tracer	1.4	+	0345
1861.	Projectiles, with burster or expelling charge	1.2	+	0346
		1.4	+	0347
1862.	Projectiles, with bursting charge	1.1	+	0168
		1.1	+	0167
		1.2	+	0169
		1.2	+	0324
		1.4	+	0344
1863.	Propadiene	2.1		2200
1864.	Propadiene mixtures, stablized	2.1		1060
1865.	Propane	2.1		1978
1866.	Propanethiols	3		2402
1867.	Propanol	3		1274
1868.	Propene	2.1		1077
1869.	Propionaldehyde	3		1275
1870.	Propionic acid	8		1848
1871.	Propionic anhydride	8		2496
1872.	Propionitrile	3	6.1	2404
1873.	Propionyl chloride	3	8	1815
1874.	Propionyl peroxide, *Max* 28 percent in solution	5.2		2132
1875.	Propyl acetate, normal	3		1276
1876.	Propyl alcohol	3		1274
1877.	Propylamine	3		1277
1878.	Propyl benzene	3		2364
1879.	Propyl chloride	3		1278
1880.	*n*-Propyl chloroformate	3	6.1 8	2740
1881.	Propylene	2.1		1077
1882.	Propylene chlorohydrin	6.1		2611
1883.	Propylene diamine	3	8	2558
1884.	Propylene dichloride	3		1279
1885.	Propylene glycol	3		1188
1886.	Propylene oxide	3		1280
1887.	Propyleneimine, inhibited	3		1921

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1888.	Propylene tetramer	3		2850
1889.	Propylene trimer	3		2057
1890.	Propyl formates	3		1281
1891.	*n*-Propyl *iso*-cyanate	3	6.1	2482
1892.	Propyl mercaptan	3		2704
1893.	Propyl nitrate, normal	3		1865
1894.	Propyltrichlorosilane	8		1816
1895.	Pyrazine hexahydride	8		2579
1896.	Pyridine	3	6.1	1282
1897.	Pyrophoric liquids, N.O.S.	4.2		2845
1898.	Pyrophoric metals and alloys, N.O.S.	4.2		1383
1899.	Pyrophoric solids, N.O.S.	4.2		2846
1900.	Pyrosulphuryl chloride	8		1817
1901.	Pyrrolidine	3		1922
1902.	Quinol	6.1		2662
1903.	Quinoline	6.1		2656
1904.	Quinone	6.1		2587
1905.	R 500	2		2602
1906.	R 503	2		2599
1907.	Radioactive material, articles manufactured from natural or depleted uranium or natural thorium, schedule 2	7		2909
1908.	Radioactive material, empty packages, schedule 1	7		2908
1909.	Radioactive material, fissile class I, II or III, schedule 11	7		2918
1910.	Radioactive material, instruments and articles, schedule 4			2911
1911.	Rodioactive material, low specific activity (LSA) I, schedule 5	7		2912
1912.	Radioactive material, low specific activity (LSA) II, schedule 6	7		2913
1913.	Radioactive material, low level solids (LLS), schedule 7	7		2914
1914.	Radioactive material, small quantities, schedule 3	7		2910
1915.	Radioactive material, special arrangements, schedule 12	7		2919
1916.	Radioactive material, Type A packages, schedule 8	7		2915
1917.	Radioactive material, Type B (U) packages, schedule 9	7		2916

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1918.	Radioactive material, Type B (M) packages, schedule 10	7		2917
1919.	Rags, oily	4.2		1856
1920.	Raney; nickel	4.2		1378
1921.	Rare gases, mixtures	2		1979
1922.	Rare gases, mixtures with nitrogen	2		1981
1923.	Rare gases, mixtures with oxygen	2		1980
1924.	R.D.X.	1.1	+ 6.1	0072
1925.	Receptacles, small, containing inflammable compressed gas, not fitted with a dispersion device, not refillable	2.1		2037
1926.	Red phosphorus	4.1		1338
1927.	Refrigerant gases, N.O.S.	2		1078
1928.	Refrigerating machines, containing non-inflammable, non-toxic liquefied gases	2.2		2857
1929.	Release devices, explosive	1.4	+	0173
1930.	Resin oil	3		1286
1931.	Resin solution in inflammable liquid with a flash point below 32°C	3		1866
1932.	Resin solution in inflammable liquid with a flash point of 32°C or above	3		2868
1933.	Resin solution, poisonous	6.1		1896
1934.	Resorcin	6.1		2876
1935.	Resorcinol	6.1		2876
1936.	Rivets, explosive	1.4	+	0174
1937.	Rocket motors	1.1	+	0280
		1.2	+	0281
		1.3	+	0186
1938.	Rocket motors, containing hypergollic liquids, with or without an expelling charge	1.2	+	0322
		1.3	+	0250
1939.	Rockets, liquid fuelled, with bursting charge	1.1	+	0397
1940.	Rocket motors, liquid fuelled	1.2	+	0395
		1.3	+	0396
1941.	Rocket, line throwing	1.2	+	0238
		1.3	+	0240
1942.	Rockets, with bursting charge	1.1	+	0181
		1.1	+	0180
		1.2	+	0182
		1.2	+	0295
1943.	Rockets, with inert head	1.3	+	0183
1944.	Rodenticides, N.O.S.	6.1		1681

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1945.	Rubber scrap and rubber shoddy, in powdered or granulated form	4.1		1345
1946.	Rubber solution	3		1287
1947.	Rubidium hydroxide	8		2678
1948.	Rubidium hydroxide solution	8		2677
1949.	Rubidium, metal	4.3		1423
1950.	Saltpetre	5.1		1486
1951.	Samples, explosive, other than initiating explosive		+	0190
1952.	Sand acid	8		1778
1953.	Seed cakes (seed expellers) containing more than 1.5 percent oil and not more than 11 percent moisture	4.2		1386
1954.	Seed cake, containing not more than 1.5 percent of oil and 11 percent moisture	4.2		2217
1955.	Selenates and selenites	6.1		2630
1956.	Selenic acid	8		1905
1957.	Selenium disulphide	6.1		2657
1958.	Selenium haxafluoride	2.3		2194
1959.	Selenium metal, in powder form, non-pyrophoric	6.1		2658
1960.	Selenium oxychloride	8	6.1	2879
1961.	Shale oil	3		1288
1962.	Shaped charges, commercial	1.1	+	0059
1963.	Signal devices, hand	1.4	+	0191
1964.	Signals, railway track, explosive	1.1 1.4	+ +	0192 0193
1965.	Signals, ship distress (other than water activated contrivances)	1.1	+	0194
1966.	Signals, ship distress, water-activated	1.3	+	0249
1967.	Signals, smoke, with explosive sound unit	1.1 1.2	+ +	0196 0313
1968.	Signals, smoke, without explosive sound unit	1.4	+	0197
1969.	Silane	2.1	2.3	2203
1970.	Silicofluoric acid	8		1778
1971.	Silicofluorides	6.1		2856
1972.	Silicon chloride	8		1818
1973.	Silicon powder, amorphous	4.1		1346
1974.	Silicon tetrachloride	8		1818
1975.	Silicon tetrafluoride	2	6.8 8	1159

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
1976.	Silver arsenite	6.1		1683
1977.	Silver cyanide	6.1		1684
1978.	Silver nitrate	5.1		1493
1979.	Silver picrate, wetted with, by mass, at least 30 percent water	4.1		1347
1980.	Sludge acid	8		1906
1981.	Soda lime containing more than 4 percent sodium hydroxide	8		1907
1982.	Sodium aluminate, solution	8		1819
1983.	Sodium aluminate, solid	8		2812
1984.	Sodium aluminium hydride	4.3		2835
1985.	Sodium amalgam	4.3		1424
1986.	Sodium amide	4.3		1425
1987.	Sodium ammonium vanadate	6.1		2863
1988.	Sodium arsanilate	6.1		2473
1989.	Sodium arsenate	6.1		1685
1990.	Sodium arsenite, solid	6.1		2027
1991.	Sodium arsenite, in aqueous solutions	6.1		1686
1992.	Sodium azide	6.1		1687
1993.	Sodium bifluoride	8		2439
1994.	Sodium binoxide	5.1		1504
1995.	Sodium bisulphite solution	8		2693
1996.	Sodium borohydride	4.3		1426
1997.	Sodium bromate	5.1		1494
1998.	Sodium cacodylate	6.1		1688
1999.	Sodium chlorate	5.1		1495
2000.	Sodium chlorate mixed with dinitrotoluene	1.1	+	0083
2001.	Sodium chlorate, solution	5.1		2428
2002.	Sodium chlorite	5.1		1496
2003.	Sodium chlorite, solution containing more than 5 percent available chlorine	8		1908
2004.	Sodium chloroacetate	6.1		2659
2005.	Sodium cyanide	6.1		1689
2006.	Sodium cuprocyanide, solid	6.1		2316
2007.	Sodium cuprocyanide, solution	6.1		2317
2008.	Sodium dinitro-cresolate, dry or containing, by mass, less than 15 percent water	1.3	+	0234

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2009.	Sodium dinitro-cresolate, wetted with, by mass, at least 15 percent water	4.1	6.1	1348
2010.	Sodium dioxide	5.1		1504
2011.	Sodium dithionite	4.2		1384
2012.	Sodium fluoride	6.1		1690
2013.	Sodium fluoroacetate	6.1		2629
2014.	Sodium fluorosilicate	6.1		2674
2015.	Sodium hydrate	8		1824
2016.	Sodium hydride	4.3		1427
2017.	Sodium hydrogen fluoride	8		2439
2018.	Sodium hydrogen sulphate, solid	8		1821
2019.	Sodium hydrogen sulphate, solution	8		2837
2020.	Sodium hydrosulphide, solid	4.2		2318
2021.	Sodium hydrosulphite	4.2		1384
2022.	Sodium hydroxide, solid	8		1823
2023.	Sodium hydroxide, solution	8		1824
2024.	Sodium, metal	4.3		1428
2025.	Sodium metal dispersion in organic liquids	4.3		1429
2026.	Sodium methylate solutions in alcohol	3		1289
2027.	Sodium methylate	4.3		1431
2028.	Sodium monoxide	8		1825
2029.	Sodium nitrate	5.1		1498
2030.	Sodium nitrate and potassium nitrate mixtures	5.1		1499
2031.	Sodium nitrite	5.1		1500
2032.	Sodium pentachlorophenate	6.1		2567
2033.	Sodium percarbonates	5.1		2467
2034.	Sodium perchlorate	5.1		1502
2035.	Sodium permanganate	5.1		1503
2036.	Sodium peroxide	5.1		1504
2037.	Sodium persulphate	5.1		1505
2038.	Sodium phenolate, solid	8		2497
2039.	Sodium phosphide	4.3	4.2 6.1	1432
2040.	Sodium picramate, dry or containing, by mass, less than 20 percent water	1.3	+	0235
2041.	Sodium picramate, wetted with, by mass, at least 20 percent water	4.1		1349

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2042.	Sodium salts of nitro aromatic derivatives explosive	1.3	+	0203
2043.	Sodium selenate	6.1		2630
2044.	Sodium selenite	6.1		2630
2045.	Sodium silicofluoride	6.1		2674
2046.	Sodium sulphide, anhydrous or containing less than 30 percent water of crystallization	4.2		1385
2047.	Sodium sulphide, hydrated with at least 30 percent water	8		1849
2048.	Sodium superoxide	5.1		2547
2049.	Sounding devices, explosive	1.1	+	0374
		1.1	+	0296
		1.2	+	0375
		1.2	+	0204
2050.	Spirit of ether nitrite	3		1194
2051.	Spirits of salts	8		1789
2052.	Squibs, including electric squibs and safety squibs	1.4	+	0206
2053.	Stannic chloride, anhydrous	8		1827
2054.	Stannic chloride, pentahydrate	8		2440
2055.	Stannic phosphides	4.3		1433
2056.	Stibine	2.3	2.4	2676
2057.	Straw	4.1	4.2	1327
2058.	Strontium alloys	4.3		1434
2059.	Strontium alloys, non-pyrophoric	4.3		1434
2060.	Strontium alloys, pyrophoric	4.2		1383
2061.	Strontium arsenite	6.1		1691
2062.	Strontium chlorate	5.1		1506
2063.	Strontium dioxide	5.1		1509
2064.	Strontium nitrate	5.1		1507
2065.	Strontium perchlorate	5.1		1508
2066.	Strontium peroxide	5.1		1509
2067.	Strontium phosphide	4.3	6.1	2013
2068.	Strychnine and salts thereof	6.1		1692
2069.	Styphnic acid	1.1	+	0219
2070.	Styphnic acid containing, by mass, not less than 20 percent water or mixture of alcohol and water	1.1	+	0394
2071.	Styrene monomer, inhibited	3		2055
2072.	Substances, explosive, N.O.S.	1.1	+	0357
		1.2	+	0358
		1.3	+	0359

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2073.	Substances which in contact with water emit inflammable gases, N.O.S.	4.3		2813
2074.	Substituted nitrophenol pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2780
2075.	Substituted nitrophenol pesticides (compounds and preparations), toxic, N.O.S.	6.1		1551
2076.	Succinic acid peroxide, technical pure	5.2	E	2135
2077.	Sulphonic acid	8		2967
2078.	Sulphur	4.1		1350
2079.	Sulphur chloride	8		1828
2080.	Sulphur dichloride	8		1828
2081.	Sulphur dioxide, liquefied	2.3	2.1	1079
2082.	Sulphuretted hydrogen	2.1	2.3 6.1	1053
2083.	Sulphur hexafluoride	2		1080
2084.	Sulphuric acid	8		1830
2085.	Sulphuric acid, fuming (ocum)	8	6.1	1831
2086.	Sulphuric acid spent	8		1832
2087.	Sulphuric ether	3		1155
2088.	Sulphuric and hydrofluoric acid mixtures	8	6.1	1786
2089.	Sulphur, molten	4.1		2448
2090.	Sulphur monochloride	8		1828
2091.	Sulphurous acid	8		1833
2092.	Sulphur tetrafluoride	2.3		2418
2093.	Sulphur trioxide, inhibited	8		1829
2094.	Sulphuryl chloride	8		1834
2095.	Sulphuryl fluoride	2.3		2191
2096.	Synthesis gas	2.1		2600
2097.	Tars, liquid, including road asphalt and oils, bitumen and cut backs	3		1999
2098.	Tartar emetic	6.1		1551
2099.	Tear gas candles	6.1	4.1	1700
2100.	Tear gas substances, liquid or solid, N.O.S.	6.1		1693
2101.	Tellurium hexafluoride	2.3		2195
2102.	Terpene hydrocarbons, N.O.S.	3		2319
2103.	Terpinolene	3		2541
2104.	Tetrabromoethane	6.1		2504
2105.	Tetrachloroethane	6.1		1702
2106.	Tetrachloroethylene	6.1		1897

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2107.	Tetraethyl dithiopyrophosphate with gases, including solutions and mixtures thereof	2	6.1	1703
2108.	Tetraethyl dithiopyrophosphate, liquid mixture or dry	6.1		1704
2109.	Tetraethylenepentamine	8		2320
2110.	Tetraethyl lead	6.1		1649
2111.	Tetraethyl pyrophosphate and compressed gas mixtures	2.3		1705
2112.	Tetraethyl silicate	3		1292
2113.	Tetrafluorodichloroethane	2.2		1958
2114.	Tetrafluoroethylene, inhibited	2.3		1081
2115.	Tetrafluoromethane	2.3		1982
2116.	1,2,3,6-Tetrahydro benzaldehyde	3		2498
2117.	Tetrahydrofuran	3		2056
2118.	Tetrahydro-1,4-oxazine	3		2054
2119.	Tetrahydrophthalic anhydrides	8		2698
2120.	1,2,3,6-Tetrahydropyridine	3		2410
2121.	Tetrahydrothiophene	3		2412
2122.	Tetraline hydroperoxide, technical pure	5.2		2136
2123.	Tetramethoxysilane	3	6.1	2606
2124.	Tetramethylammonium hydroxide	1		1835
2125.	1,1,3,3-Tetramethyl butyl hydroperoxide, technical pure	5.2		2160
2126.	1,1,3,3-Tetramethyl butyl peroxy-2-ethyl hexanoate, technical pure	5.2		2161
2127.	Tetramethylene	2.1		2601
2128.	Tetramethylene cyanide	6.1		2205
2129.	Tetramethylsilane	3		2749
2130.	Tetranitroaniline	1.1	+	0207
2131.	Tetranitromethane	5.1		1510
2132.	Tetrapropylorthotitanate	3		2413
2133.	Tetrazene	1.1	+	0114
2134.	Tetrazol-l-acetic acid	1.4	+	0407
2135.	Tetryl	1.1	+	0208
2136.	Textile waste, wet, N.O.S.	4.2		1857
2137.	Thallium chlorate	5.1	6.1	2573
2138.	Thallium compounds, N.O.S.	6.1		1707
2139.	Thallium nitrate	6.1		2727
2140.	4-Thiapentanol	6.1		2785

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2141.	Thioacetic acid	3		2436
2142.	Thiocarbamide	6.1		2877
2143.	Thioglycol	6.1		2966
2144.	Thioglycolic acid	8		1940
2145.	Thionyl chloride	8		1836
2146.	Thiophene	3		2414
2147.	Thiophenol	6.1	3	2337
2148.	Thiophosgene	6.1		2471
2149.	Thiophosphoryl chloride	8		1837
2150.	Thiourea	6.1		2877
2151.	Tin chloride fuming	8		1827
2152.	Tin tetrachloride	8		1827
2153.	Tinctures, medicinal	3		1293
2154.	Titanium hydride	4.3		1871
2155.	Titanium metal powder, dry :	4.2		2546
	a) Mechanically produced, having a particle size between 3 and 53 microns			
	b) Chemically produced, having a particle size between 10 and 840 microns			
2156.	Titanium metal powder, wet with not less than 25 percent water (a visible excess of water must be present) :	4.1		1352
	a) Mechanically produced, having a particle size less than 53 microns			
	b) Chemically produced having a particle size less than 840 microns			
2157.	Titanium sponge granules and sponge powders, non-pyrophoric	4.1		2878
2158.	Titanium tetrachloride	8		1838
2159.	Titanium trichloride and mixtures, pyrophoric	4.2	8	2441
2160.	Titanium trichloride mixtures, non-pyrophoric	8		2869
2161.	TNT	1.1 4.1	+	0209 1356
2162.	Toe puffs (nitrocellulose base)	4.1		1353
2163.	Toluene	3		1294
2164.	Toluene di-*iso*-cyanate	6.1		2078
2165.	Toluene sulphonic acids	8 8 8 8		2583 2584 2585 2586
2166.	Toluidines	6.1		1708

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2167.	Toluol	3		1294
2168.	Toluylene di-*iso*-cyanate	6.1		2078
2169.	2,4-Toluylenediamine	6.1		1709
2170.	Tolyethylene	3		2618
2171.	Torpedoes, with bursting charge	1.1 1.1	+ +	0329 0330
2172.	Tracers for ammunition	1.3 1.4	+ +	0212 0306
2173.	Triallylamine	3		2610
2174.	Triallyl borate	6.1		2609
2175.	Triazine pesticides (compounds and preparations) liquid, toxic, N.O.S. flash point below 32°C	6.1	3	2764
2176.	Triazine pesticides (compounds and preparations), toxic, N.O.S.	6.1		2763
2177.	Tribromoborane	8		2692
2178.	Tributylamine	8		2542
2179.	Trichloroacetaldehyde	6.1		2075
2180.	Trichloroacetic acid	8		1839
2181.	Trichloroacetic acid, solution	8		2564
2182.	Trichloroacetaldehyde	6.1		2075
2183.	Trichloroacetyl chloride	8		2442
2184.	Trichlorobenzenes, liquid	6.1		2321
2185.	Trichlorobutene	6.1		2322
2186.	Trichloroethylene	6.1		1710
2187.	Trichloro-*iso*-cyanuric acid, dry	5.1		2468
2188.	Trichloronitromethane	6.1		1580
2189.	Trichlorosilane	4.2	4.3 8	1295
2190.	2,4,6-Trichloro-1,3,5-triazine	8		2670
2191.	Tricresylphosphate with more than 3 percent *ortho*-isomer	6.1		2574
2192.	Triethylamine	3		1296
2193.	Triethyl borate	3		1176
2194.	Triethylene tetramine	8		2259
2195.	Triethyl formate	3		2524
2196.	Triethyl phosphite	3		2323
2197.	Trifluoroacetic acid	8		2699
2198.	Trifluorobromomethane	2		1099
2199.	Trifluorochloroethane	2.2		1983
2200.	Trifluorochloroethylene, inhibited	2.1		1082

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2201.	Trifluorochloromethane	2		1022
2202.	Trifluoroethane, inflammable compressed gas	2.1		2035
2203.	Trifluororomethane	2		1984
2204.	Tri-*iso*-butyl aluminium	4.2		1930
2205.	Tri-*iso*-butylene	3		2324
2206.	Tri-*iso*-cyanato-*iso*-cyanurate or *iso*-phoronedi-*iso*-cyanate (70 percent, by mass, solution)	3		2906
2207.	Tri-*iso*-propyl borate	3		2616
2208.	Trimethyl acetyl chloride	8	3	2438
2209.	Trimethylamine, anhydrous	2.1		1083
2210.	Trimethylamine, aqueous solutions containing not more than 30 percent of trimethylamine	3		1297
2211.	1,3,5-Trimethylbenzene	3		2325
2212.	Trimethyl borate	3		2416
2213.	Trimethylchlorosilane	3	8	1298
2214.	Trimethylenechlorobromide	6.1		2688
2215.	2,4,4-Trimethylpentene-1	3		2050
2216.	2,4,4-Trimethylpentene-2	3		2050
2217.	Trimethylcyclohexylamine	8		2326
2218.	Trimethyl-hexamethylenediamines	8		2327
2219.	Trimethyl-hexamethylenedi-*iso*-cyanate	6.1		2328
2220.	Trimethyl phosphite	3		2329
2221.	Trinitroaniline	1.1	+	0153
2222.	Trinitroanisole	1.1	+	0213
2223.	Trinitrobenzene, dry or containing, by mass, less than 35 percent water	1.1	+	0214
2224.	Trinitrobenzene, wetted with, by mass, at least 30 percent water	4.1		1354
2225.	Trinitrobenzenesulphonic acid	1.1	+	0386
2226.	Trinitrobenzoic acid, dry or containing, by mass, less than 30 percent water	1.1	+	0215
2227.	Trinitrobenzoic acid, wetted with , by mass, at least 30 percent water	4.1		1355
2228.	Trinitrochlorobenzene	1.1	+	0155
2229.	Trinitrofluorenone	1.1	+	0387
2230.	Trinitrometacresol	1.1	+	0216
2231.	Trinitronaphthalene	1.1	+	0217
2232.	Trinitrophenetole	1.1	+	0218
2233.	Trinitrophenol, dry or containing, by mass, less than 30 percent water	1.1	+	0154

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2234.	Trinitrophenol, wetted with, by mass, at least 30 percent water	4.1		1344
2235.	Trinitrophenylmethyl nitramine	1.1	+	0208
2236.	Trinitroresorcinol	1.1		0219
2237.	Trinitroresorcinol, containing, by mass, not less than 20 percent water (or mixture of alcohol and water)	1.1	+	0394
2238.	Trinitrotoluene, dry or containing, by mass, less than 30 percent water	1.1	+	0209
2239.	Trinitroluene wetted with, by mass, at least 30 percent water	4.1		1356
2240.	Trinitrotoluene (TNT) mixed with trinitro-benzene and hexanitrostilbene	1.1	+	0389
2241.	Trinitrotoluene (TNT) mixed with trinitro-benzene or hexanitrostilbene	1.1	+	0388
2242.	Tripropylaluminium	4.2		2718
2243.	Tripropylamine	3	8	2260
2244.	Tripropylene	3		2057
2245.	Tris-(l-aziridinyl) phosphine oxide, solution	6.1		2501
2246.	Tritonal (TNT mixed with aluminium)	1.1	+	0390
2247.	Tropilidene	3	6.1	2603
2248.	Tungsten hexafluoride	2.3		2196
2249.	Turpentine	3		1299
2250.	Turpentine substitute	3		1300
2251.	Undecane	3		2330
2252.	Urea hydrogen peroxide	5.1		1511
2253.	Urea nitrate, dry or containing, by mass, less than 20 percent water	1.1	+	0220
2254.	Urea nitrate, wetted with, by mass, at least 20 percent water	4.1		1357
2255.	Valeral	3		2058
2256.	Veleraldehyde	3		2058
2257.	*n*-Valeraldehyde	3		2058
2258.	Valeric aldehyde	3		2058
2259.	Valeryl chloride	8		2502
2260.	Vanadium oxytrichloride	8		2443
2261.	Vanadium pentoxide, non-fused form	6.1		2862
2262.	Vanadium tetrachloride	8		2444
2263.	Vanadium trichloride	8		2475
2264.	Vanadium trioxide, non-fused form	6.1		2060
2265.	Villaumite	6.1		1690

Table 3 (*Continued*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2266.	Vinyl acetate, inhibited	3		1301
2267.	Vinyl benzene	3		2055
2268.	Vinyl bromide, inhibited	2.1		1085
2269.	Vinyl butyrate	3		2838
2270.	Vinyl chloroacetate	6.1		2589
2271.	Vinyl chloride, inhibited	2.1		1086
2272.	Vinyl ethyl ether, inhibited	3		1302
2273.	Vinyl fluoride, inhibited	2.1		1860
2274.	Vinylidene chloride, inhibited	3		1303
2275.	Vinyl *iso*-butyl ether, inhibited	3		1304
2276.	Vinyl methyl ether, inhibited	2.1		1087
2277.	Vinyltrichlorosilane, inhibited	3	8	1305
2278.	Vinyl toluene	3		2618
2279.	Warheads, rocket, with burster or expelling charge	1.4	+	0370
		1.4	+	0371
2280.	Warheads, rocket, with bursting charge	1.1	+	0286
		1.1	+	0287
		1.1	+	0369
2281.	Warheads, torpedo, with bursting charge	1.1	+	0221
2282.	Water gas	2.1	2.3	2600
2283.	White arsenic	6.1		1561
2284.	White spirit	3		1300
2285.	Wood alcohol	3	6.1	1230
2286.	Wood preservatives, liquid	3		1306
2287.	Wool waste, wet	4.2		1387
2288.	Xenon	2.2		2036
2289.	Xenon, refrigerated liquid	2.2		2591
2290.	Xylene	3		1307
2291.	Xylenols	6.1		2261
2292.	Xylidines	6.1		1711
2293.	Xylol	3		1307
2294.	Xylyl bromide	6.1		1701
2295.	Zinc ammonium nitrite	5.1		1512
2296.	Zinc arsenate and arsenite	6.1		1712
2297.	Zinc ashes	4.3		1435
2298.	Zinc bisulphite solution	8		2693
2299.	Zinc bromate	5.1		2469
2300.	Zinc chlorate	5.1		1513

Table 3 (*Concluded*)

Sl No.	Substance/Dangerous Goods	Risk Classification No.		UN Number
		Main	Subsidiary	
(1)	(2)	(3)	(4)	(5)
2301.	Zinc chloride, anhydrous	8		2331
2302.	Zinc chloride, solution	8		1840
2303.	Zinc cyanide	6.1		1713
2304.	Zinc dithionite	9		1931
2305.	Zinc fluorosilicate (zinc silicofluoride)	6.1		2855
2306.	Zinc nitrate	5.1		1514
2307.	Zinc permanganate	5. 1		1515
2308.	Zinc peroxide	5.1		1516
2309.	Zinc phosphide	4.3	6.1	1714
2310.	Zinc powder or dust	4.3	4.2	1436
2311.	Zinc resinate	4.1		2714
2312.	Zinc selenate	6.1		2630
2313.	Zinc selenite	6.1		2630
2314.	Zinc silicofluoride	6.1		2855
2315.	Zirconium hydride	4.3		1437
2316.	Zirconium, metal, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1		2858
2317.	Zirconium, metal, dry, finished sheets, strip or coiled wire	4.3		2009
2318.	Zirconium metal powder, dry:	4.2		2008
	a) Mechanically produced, having a particle size between 3 and 53 microns			
	b) Chemically produced, having a particle size between 10 and 840 microns			
2319.	Zirconium metal powder, wet with not less than 25 percent water (a visible excess of water must be present):	4.1		1358
	a) Mechanically produced, having a particle size less than 53 microns			
	b) Chemically produced, having a particle size less than 840 microns			
2320.	Zirconium nitrate	5.1		2728
2321.	Zirconium picramate, wetted with, by mass, at least 20 percent water	5.1		1517
2322.	Zirconium picramate, dry or containing, by mass, less than 20 percent water	1.3	+	0236
2323.	Zirconium scrap	4.2		1932
2324.	Zirconium suspended in a liquid	3		1308
2325.	Zirconium tetrachloride	8		2503

ANNEX A

(*Foreword* and *Table* 3, *Sl No.*1024)

TEST METHOD FOR SUBSTANCES WHICH IN CONTACT WITH WATER EMIT FLAMMABLE GASES

A-1 GENERAL

The ability of a substance to emit flammable gases on contact with water is tested by bringing it into contact with water under a variety of conditions.

A-2 PROCEDURE

A-2.1 The substance should be tested according to the procedures described below:

if spontaneous ignition occurs at any stage then no further testing is necessary. If it is known that the substance does not react violently with water then proceed to **A-2.5.**

A-2.2 Place a small quantity (approximately 2 mm diameter) of the test substance in a trough of distilled water at 20°C. Observe:

a) whether any gas is evolved, and

b) if spontaneous ignition of the gas occurs.

A-2.3 Place a small quantity of the test substance (approximately 2 mm diameter) on the centre of a filter paper which is floated flat on the surface of distilled water at 20°C in a suitable vessel, for example a 100 mm diameter evaporating dish. The filter paper is to keep the substance in one place, under which condition the likelihood of spontaneous ignition of any gas is greatest. Observe:

a) whether any gas is evolved, and

b) if spontaneous ignition of the gas occurs.

A-2.4 Make a pile of the test substance approximately 20 mm high and 30 mm diameter with a hollow in the top. Add a few drops of water to the hollow. Observe:

a) whether any gas is evolved, and

b) if spontaneous ignition of the gas occurs.

A-2.5 Inspect the package for any particles of less than 500 mm diameter. If that powder constitutes more than 1 percent (mass) of the total, or if the substance is friable, then ground the whole of the sample to a powder before testing to allow for a reduction in particle size during handling and transport. Otherwise, test the substance in its commercial stage, perform this test three times at (20°C) and atmospheric pressure. Put water into the dropping funnel. Weigh and place enough of the substance (up to a maximum mass of 25 g) to produce between 100 ml and 250 ml of gas in a conical flask. Open the tap of the dropping funnel to let the water into the conical flash and start a stop watch. Measure the volume of gas evolved by any suitable means. Note the time taken for all the gas to be evolved and where possible take intermediate readings. Calculate the rate of evolution of gas over 7 h at 1 h intervals. If the rate of evolution is erratic or is increasing after 7 h, extend the measuring time to a maximum time of 5 days. Stop the five day test if the rate of evolution becomes steady or continually decrease and sufficient data has been established to determine that the substance should not be classified in division 4.3. If the chemical identity of the gas is unknown test the gas for flammability, as per ISO 10156.

A-3 TEST CRITERIA AND METHOD OF ASSESSING RESULTS

Substance shall be deemed to have passed for classified in division 4.3 if,

a) spontaneous ignition take place in any step of the test procedure, or

b) there is an evolution of a flammable gas at a rate greater than 1 litre/kg of the substance per hour.

ANNEX B

(*Foreword*)

COMMITTEE COMPOSITION

Chemical Hazards Sectional Committee, CHD 7

Organization	*Representative(s)*
Indian Institute of Chemical Technology, Hyderabad	DR K. V. RAGHAVAN (***Chairman***)
Atomic Energy Regulatory Board, Mumbai	SHRI P. K. GHOSH
Bhabha Atomic Research Centre, Mumbai	DR B. N. RATHI
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Development Commissioner (SSI) New Delhi	SHRIMATI SUNITA
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Indian Petrochemical Corporation Limited, Vadodara	SHRI J. N. SHARMA
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National Safety Council, Mumbai	SHRI P. M. RAO SHRI V. B. PATIL (*Alternate*)
Oil Industries Safety Directorate, Mumbai	REPRESENTATIVE

(*Continued on page* 83)

(*Continued from page* 82)

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Member-Secretary
SHRI N. K. PAL
Director (CHD), BIS

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