



**MARITIME AND PORT AUTHORITY OF SINGAPORE**  
**PROCEDURES FOR DANGEROUS GOODS DECLARATION**

1 Reference is made to Regulations 40, 43 and 44 of the MPA (Dangerous Goods, Petroleum and Explosives) Regulations 2005 wherein the owner, agent or master of any arriving vessel carrying dangerous goods or intending to load or discharge dangerous goods in the port is required to give prior notice. He shall not load or discharge such cargo from his vessel until permission from the Port Master has been obtained.

2 Pursuant to Regulation 76(3) of the above mentioned Regulations, the following are to be complied, with respect of the advance notification to be submitted under the said regulations 40, 43 and 44:

- (a) Submission of Dangerous Goods Notification through PORTNET
  - (i) For all dangerous goods passing through PSA terminals, the above mentioned notification shall be submitted through PORTNET;
  - (ii) For enquiry on submission of dangerous goods notification via. PORTNET, you may call the helpdesk at Tel: 63211528.
- (b) Submission of Dangerous Goods Notification through JP-Online.
  - (i) For all dangerous goods passing through Jurong Port, the above mentioned notification shall be submitted through JP-Online;
  - (ii) For enquiry on submission of dangerous goods notification via. JP-Online, you may call the helpdesk at Tel: 64139600.
- (c) Submission of Dangerous Goods Notification through Marinet.
  - (i) For all dangerous goods to be handled or in transit at a location other than PSA Terminals and Jurong Port e.g. Sudong Explosive Anchorage, the above mentioned notification may be submitted through Marinet;
  - (ii) For enquiry on submission of dangerous goods notification via. Marinet, you may call the helpdesk at Tel: 63751255.

3 For submission of Dangerous Goods Notification through PORTNET, JP-Online and Marinet, the notification shall be submitted not less than 12 hours:

- (a) Before the vessel's arrival for discharging or in transit dangerous goods in the port; or
- (b) Before the loading of dangerous goods onto a vessel.

4 For dangerous goods to be handled/in-transit at a location other than PSA Terminals and Jurong Port, the Notification may be submitted in hard copy.

- (a) The completed notification forms PM4-0485A4 shall be transmitted to MPA's Hazardous Cargo Section via. Fax: 63252430;
- (b) The said notification form shall be submitted not less than 24 hours prior to the vessel's reported time of arrival in the case of dangerous goods in transit or for discharging in the port. When loading dangerous goods, 24 hours prior to commencement of loading;
- (c) The said notification must be completed neatly and clearly. The correct technical name, IMO Class, UN Number and flash point (if applicable) must be given. Trade names alone shall not be used. The estimated date and time of vessel's arrival in the case of dangerous goods for discharging or in transit must be stated. Similarly in the case of loading, the estimated date and time of loading must be given. All weights and temperatures shall be given in metric units (i.e. kilograms and degrees Celsius). Container numbers and stowage positions (if applicable) are to be clearly indicated. At the anchorage when loading or discharging MPA First Schedule Dangerous Goods, the licence numbers of the harbour craft must be declared in the column provided to the said notification form.

5 For the following types of cargo, the documents listed below shall be submitted with the Dangerous Goods Notification:

- (a) **Ammonium Nitrate**

Certificate of Analysis issued by a body deemed competent by the Authority. The percentage of total combustible matter (including organic matter calculated as carbon) must be clearly stated in the certificate.

(b) **Radioactive Substances**

- (i) The approval from the Centre for Radioactive Protection (CRP);
- (ii) To obtain the approval from CRP, you should complete the application form provided by CRP and submit together with the details of package design, Certificate of approval of package design, the Shipper's certificate and certification by competent authority of the types and quantities of radioactive materials in the shipment to:

Director  
Centre for Radiation Protection  
Health Sciences Authority  
11 Outram Road  
Singapore 169078  
Tel No: 62130704/5  
Fax No: 62130749

6 With regard to the storage of dangerous goods at the terminals, port users should enquire with the relevant terminal operators and obtain their approval where necessary.

7 For enquiries or any clarification concerning these procedures for Dangerous Goods declaration, please contact us at:

HAZARDOUS CARGO SECTION  
MARINE ENVIRONMENT & SAFETY DEPARTMENT  
MARITIME & PORT AUTHORITY OF SINGAPORE  
7B KEPPEL ROAD #19-07/09  
TANJONG PAGAR COMPLEX  
SINGAPORE 089055

TEL: (65) 6325 2421

FAX: (65) 6325 2430

EMAIL: [hazmat@mpa.gov.sg](mailto:hazmat@mpa.gov.sg)

**APPENDIX 1 - MARITIME AND PORT AUTHORITY OF SINGAPORE  
(DANGEROUS GOODS, PETROLEUM AND EXPLOSIVES) REGULATIONS  
2005**

1 The Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) Regulations 2005 (the “DGR”) came into effect on 31 January 2005.

2 The major changes are as follows:

- (a) In line with the IMDG Code, the previous MPA grouping system that controls dangerous goods in the port has been replaced with a system based on the IMO classes and UN numbers, i.e. dangerous goods are longer grouped into MPA Groups I, II or III;
- (b) A new First Schedule has been introduced in the DGR. Under regulation 73 (a) of the DGR, the Port Master may specify by notification in the Gazette, the quantity of First Schedule dangerous goods which may remain on board a vessel within the port limits. In the exercise of this power, the Port Master will notify in the Gazette to be published on 31 January 2005 (the “Notification”), the quantity of First Schedule dangerous goods which may remain on board a vessel at any PSA container berth, Jurong Port container berth, conventional berth, the Tuas Jetty or the Sudong Explosive Anchorage.
- (c) In view of the risk of fire and explosions, except for UN Nos. 1057, 1950 and 2037, all the current MPA Group II flammable gases will be listed in the First Schedule to the DGR and are subject to weight limitation;
- (d) For explosives/explosive articles, instead of declaring net cargo weight, the Net Explosive Quantity (NEQ) shall be provided in the dangerous goods declaration. The quantity of explosives/explosive articles allowed to be carried on board a vessel will also be based on their total NEQ. Fireworks under IMO Class 1 Division 1.4, which have no quantity limits for handling/transit at container berths, will be subject to weight limits in the Schedule to the Notification;
- (e) “Not Otherwise Specified” (N.O.S.) items in the First Schedule to the DGR will be subject to the weight limits in the Schedule to the Notification; and

- (f) Dangerous goods not listed in the First Schedule to the DGR will be allowed to remain on board a vessel at any PSA container berth, Jurong Port container berth, conventional berth, the Tuas Jetty or the Sudong Explosive Anchorage without any quantity restriction. However, the declaration of handling/transit of such dangerous goods to the Port Master is still required. The handling/transit of such dangerous goods in port shall also comply with the relevant provisions of the DGR.

3 Any person who without lawful excuse fails to comply with the requirements of any notice served on him, or contravenes any of the provisions of the DGR, or any condition or direction issued there under shall be guilty of an offence and shall be liable on conviction, where no penalty is expressly provided, to a fine not exceeding \$5,000 and, in the case of a continuing offence, to a further fine not exceeding \$1,000 for every day or part thereof during which the offence continues after conviction.

4 Copies of the DGR and the Notification may be purchased at:

SNP Corporation Ltd  
Legal Publishing  
1 Kim Seng Promenade #18-01/06  
Great World City East Tower  
Singapore 237994

Operating Hours:  
Monday to Friday, 9:30am to 6:00pm  
Closed on Saturday, Sunday and Public Holiday

TEL: (65) 6826 9691

EMAIL: [legalpub@snpcorp.com](mailto:legalpub@snpcorp.com)

**APPENDIX 2 - QUANTITY OF FIRST SCHEDULE DANGEROUS GOODS WHICH MAY REMAIN ON BOARD ANY VESSEL AT ANY JURONG PORT CONTAINER BERTH, PSA CONTAINER BERTH, CONVENTIONAL BERTH, THE TUAS JETTY OR THE SUDONG EXPLOSIVE ANCHORAGE**

**1 Jurong Port Container Berths**

Berth	IMO Classes 1.1, 1.2, 1.3 (except 1.3G and 1.3H), 1.5 and 1.6	IMO Classes 1.3G, 1.3H and 1.4 (NEQ)	IMO Class 2.1 <sup>(1 and 7)</sup> compressed	IMO Class 2.1 <sup>(7)</sup> liquefied	IMO Class 2.3	IMO Classes 3 and 8 FP<-26°C <sup>(2)</sup>	IMO Class 4.2 <sup>(3)</sup>	IMO Class 4.3 <sup>(4)</sup>	IMO Class 5.1 <sup>(5)</sup>	IMO Class 5.2	IMO Class 6.1 <sup>(6)</sup>
J19	Prohibited	0.2	5	25	Prohibited	25	20	30	250	50	20
J18	Prohibited	20	15	40	0.3	40	30	50	750	100	50
J17	Prohibited	20	20	75	0.3	75	50	75	750	175	50
J16	Prohibited	20	25	250	0.3	250	150	250	750	175	50
J15	Prohibited	20	25	500	1.5	500	300	600	750	175	50
J14	Prohibited	20	25	500	1.5	500	300	600	750	175	50
J13	Prohibited	20	25	500	1.5	500	300	600	750	175	50
J24	Prohibited	20	20	75	0.3	75	50	75	750	175	50
J25	Prohibited	20	15	40	0.3	40	30	50	750	175	50

All figures shown are in tonnes.

Notes:

- (1) This category includes UN Nos. 1035, 1049, 1954, 1957, 1962, 1964, 1971, 2034 and 2203.
- (2) The maximum weight permitted for UN Nos. 2478 and 2481 with a flash point below 23°C is 0.5 tonne at any Jurong Port container berth.
- (3) UN No. 1380 shall be treated as an exception with a special limit of 250 kgs.
- (4) UN No. 1295 is prohibited at Jurong Port container berth J19.
- (5) (a) For ammonium nitrate/ammonium nitrate fertilizers under IMO Class 5.1, the maximum quantity allowed is 400 tonnes or quantity limit as indicated in the table, whichever is lower. The cargo must also be packed in containers and a certificate shall be submitted to the Authority before arrival of the vessel in port or loading. The percentage of total combustible matter (including organic matter calculated as carbon) must be clearly stated in the certificate.  
 (b) The maximum weight permitted for UN No. 1510 is 2 tonnes at any Jurong Port container berth.
- (6) The maximum weight permitted for UN No. 2480 is 250 kgs at any Jurong Port container berth.
- (7) Limits for IMO Class 2.1 at berth J19 are valid for small cylinders of compressed or liquefied gases only.

## 2 PSA Container Berths

Berth	IMO Classes 1.1, 1.2, 1.3 (except 1.3G and 1.3H), 1.5 and 1.6	IMO Classes 1.3G, 1.3H and 1.4 (NEQ)	Methane	IMO Class 2.1 <sup>(1)</sup>	IMO Class 2.3 <sup>(2)</sup>	IMO Classes 3, 6.1 and 8 FP<-26°C <sup>(3)</sup>	IMO Class 4.2	IMO Class 4.3 <sup>(4)</sup>	Ammonium Nitrate <sup>(5)</sup>	IMO Class 5.1 <sup>(6)</sup>	IMO Class 5.2	IMO Class 6.1 <sup>(7)</sup>
B01	Prohibited	20	0.5	100	Prohibited	100	120	90	400	88	100	0.5
B02	Prohibited	20	0.5	100	0.5	100	240	180	400	175	100	0.5
B03	Prohibited	20	0.5	100	0.5	100	240	270	400	175	100	0.5
B04	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
B05	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
B06	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
B07	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
B08	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
B09	Prohibited	20	6	100	0.5	100	240	360	400	350	100	0.5
T01	Prohibited	20	6	100	0.5	100	240	360	400	350	100	0.5
T02	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T03	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T04	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T05	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T06	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T07	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
T08	Prohibited	20	6	200	0.5	200	240	360	400	350	100	0.5
K9	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
K10	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
K11	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
K12	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
K13	Prohibited	20	6	200	0.5	200	240	360	400	350	100	0.5
K14	Prohibited	20	0.5	100	0.5	100	240	360	400	350	100	0.5
K15	Prohibited	20	0.5	100	0.5	100	240	360	400	350	100	0.5
K16	Prohibited	20	0.5	100	0.5	100	240	360	400	350	100	0.5
K17	Prohibited	20	0.5	100	0.5	100	240	360	400	350	100	0.5
K18	Prohibited	20	6	100	0.5	100	240	360	400	350	100	0.5
K19	Prohibited	20	0.5	100	0.5	100	240	270	400	260	100	0.5
K20	Prohibited	20	0.5	100	Prohibited	100	120	90	400	88	100	0.5
K21	Prohibited	0.2	Prohibited	100	Prohibited	100	24	18	400	18	20	0.5
K22	Prohibited	0.2	Prohibited	100	Prohibited	100	24	18	400	18	20	0.5
K23	Prohibited	0.2	Prohibited	100	Prohibited	100	0.5	0.5	0.5	0.5	0.5	0.5
P1	Prohibited	20	0.5	100	0.5	100	240	180	400	175	100	0.5
P2	Prohibited	20	0.5	100	0.5	100	240	180	400	175	100	0.5
P3	Prohibited	20	0.5	100	0.5	100	240	180	400	175	100	0.5
P4	Prohibited	20	0.5	100	0.5	100	240	180	400	175	100	0.5
P5	Prohibited	20	6	100	0.5	100	240	360	400	350	100	0.5
P6	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P7	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P8	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P9	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P21	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P22	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P23	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P24	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5
P25	Prohibited	20	13	200	0.5	200	240	360	400	350	100	0.5

All figures shown are in tonnes.

Notes:

- (1) For PSA container berths B01, K20, K21, K22 and K23, flammable gases carried in isotanks are prohibited.
- (2) Only applicable to UN Nos. 1023, 1071 and 1911 and N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents in this category.
- (3)
  - (a) Applicable only to IMO Classes 3, 6.1 and 8 where it is in liquid form with a flash point below -26°C.
  - (b) Flammable liquids with subsidiary risk of IMO Class 6.1 carried in isotanks are prohibited at the following PSA container berths: B01-04, B08, B09, T01, T02, T08, K14-23 and P1-5.
  - (c) Propylene Oxide carried in isotanks is prohibited at all PSA container berths.
  - (d) The maximum weight permitted for UN Nos. 2478 and 2481 with a flash point below 23°C is 0.5 tonne at any PSA container berth.
  - (e) For PSA berths B01, K20, K21, K22 and K23, substances carried in isotanks are prohibited.
- (4) UN No. 1295 is prohibited at the following PSA container berths: B01-03, B09, T01, K15-23 and P1-4.
- (5) Only applicable to ammonium nitrate/ammonium nitrate fertilizers under IMO Class 5.1. The cargo must also be packed in containers and a certificate shall be submitted to the Authority before arrival of the vessel in port or loading. The percentage of total combustible matter (including organic matter calculated as carbon) must be clearly stated in the certificate.
- (6) The maximum weight permitted at any PSA container berth for UN No. 1510 and N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents in this category is 0.5 tonne.
- (7) Only applicable to UN Nos. 1259 and 2480.

### 3 Conventional Berths

<i>Category</i>	<i>Maximum weight permitted</i>
IMO Class 1.1	Prohibited.
IMO Class 1.2	Prohibited.
IMO Class 1.3 (except IMO Classes 1.3G and 1.3H)	Prohibited.
IMO Classes 1.3G, 1.3 H and 1.4	For a conventional berth, the boundary of which when measured from any part thereof is more than 240 m away from the nearest point of the fence of the terminal: 20 tonnes. For a conventional berth, the boundary of which when measured from any part thereof is less than 240 m away from the nearest point of the fence of the terminal: 0.2 tonne.
IMO Class 1.5	Prohibited.
IMO Class 1.6	Prohibited.
IMO Class 2.1	For a conventional berth, the boundary of which when measured from any part thereof is more than 150 m but less than 500 m away from the nearest point of the fence of the terminal: 20 tonnes <sup>(1)</sup> . For a conventional berth, the boundary of which when measured from any part thereof is less than 150 m away from the nearest point of the fence of the terminal: 0.25 tonne. For a conventional berth, the boundary of which when measured from any part thereof is more than 500 m from the nearest point of the fence of the terminal: 50 tonnes <sup>(1)</sup> .
Methane	0.25 tonne.
IMO Class 2.3 <sup>(2)</sup>	0.25 tonne.
IMO Class 3 <sup>(3)</sup>	0.25 tonne.
IMO Class 4.2	0.25 tonne.
IMO Class 4.3	0.25 tonne.
IMO Class 5.1 Ammonium Nitrate/Ammonium Nitrate Fertilizers <sup>(4)</sup> and UN Nos. 1485 and 1495  UN No. 1442 UN Nos. 1458, 1459 and 1510 and N.O.S. items	Where packed in sound steel drums or in bags within containers — 400 tonnes. Other than in sound steel drums or in bags within containers — 50 tonnes.  10 tonnes. 0.25 tonne.
IMO Class 5.2	0.25 tonne.
IMO Class 6.1 <sup>(5)</sup>	0.25 tonne.
IMO Class 7	Subject to approval by the Centre for Radiation Protection <sup>(6)</sup> .
IMO Class 8 <sup>(7)</sup>	0.25 tonne.

Notes:

- (1) The maximum weight permitted for UN Nos. 1035, 1049, 1954, 1957, 1962, 1964, 1971, 2034 and 2203 is 15 tonnes.
- (2) Only applicable to UN Nos. 1023, 1071 and 1911 and N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents in this category.
- (3) Only applicable to flammable liquids having a flash point below  $-26^{\circ}\text{C}$  and UN Nos. 2478 and 2481 with flashpoints below  $23^{\circ}\text{C}$ . A vessel carrying First Schedule dangerous goods of this description shall only berth at a conventional berth the boundary of which when measured from any part thereof is not less than 100 m away from the nearest point of the fence of the terminal.
- (4) A vessel carrying First Schedule dangerous goods of this description shall only berth at a conventional berth the boundary of which when measured from any part thereof is not less than 100 m away from the nearest point of the fence of the terminal. A certificate shall be submitted to the Authority before arrival of the vessel in port or loading. The percentage of total combustible matter (including organic matter calculated as carbon) must be clearly stated in the certificate.
- (5) Only applicable where in liquid form and with a flashpoint below  $-26^{\circ}\text{C}$  and UN Nos. 1259 and 2480.
- (6) Centre for Radiation Protection of the Health Sciences Authority.
- (7) Only applicable when in liquid form and with a flashpoint below  $-26^{\circ}\text{C}$ .

## 4 Tuas Jetty

(a) At the head of the jetty

<i>IMO Class 1 Hazard Division</i>	<i>Maximum weight permitted (NEQ)</i>
1.1	60 tonnes
1.2	250 tonnes
1.3	250 tonnes
1.4	No limit

(b) At the ramp of the jetty

<i>IMO Class 1 Hazard Division</i>	<i>Maximum weight permitted (NEQ)</i>
1.1	Prohibited
1.2	Prohibited
1.3	0.45 tonne*
1.4	No limit

Note: \*For non propellant cargo only.

## 5 Sudong Explosive Anchorage

<i>IMO Class 1 Hazard Division</i>	<i>Maximum weight permitted (NEQ)</i>
1.1 or 1.5	500 tonnes

### **APPENDIX 3 - LIST OF DANGEROUS GOODS IN THE FIRST SCHEDULE TO THE DGR**

<i>S/No.</i>	<i>Substance/Article</i>	<i>IMO Class</i>	<i>UN No.</i>
1	SAMPLES, EXPLOSIVE other than initiating explosive	1	0190
2	DIAZODINITROPHENOL, WETTED with not less than 40% water or mixture of alcohol and water, by mass	1.1A	0074
3	GUANYL NITROSAMINO GUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	1.1A	0113
4	GUANYL NITROSAMINO GUANYLTETRAZENE, WETTED with not less than 30% water or mixture of alcohol and water, by mass	1.1A	0114
5	TETRAZENE, WETTED with not less than 30% water or mixture of alcohol and water, by mass	1.1A	0114
6	LEAD AZIDE, WETTED with not less than 20% water or mixture of alcohol and water, by mass	1.1A	0129
7	LEAD STYPHNATE, WETTED with not less than 20% water or mixture of alcohol and water, by mass	1.1A	0130
8	LEAD TRINITRORESORCINATE, WETTED with not less than 20% water or mixture of alcohol and water, by mass	1.1A	0130
9	MERCURY FULMINATE, WETTED with not less than 20% water or mixture of alcohol and water, by mass	1.1A	0135
10	BARIUM AZIDE dry or containing less than 50% water, by mass	1.1A	0224
11	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1A	0473
12	DETONATORS, NON-ELECTRIC for blasting	1.1B	0029
13	DETONATORS, ELECTRIC for blasting	1.1B	0030
14	DETONATORS FOR AMMUNITION	1.1B	0073
15	FUZES, DETONATING	1.1B	0106
16	BOOSTERS, WITH DETONATOR	1.1B	0225
17	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.1B	0360
18	PRIMERS, CAP TYPE	1.1B	0377
19	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.1B	0461
20	POWDER, SMOKELESS	1.1C	0160
21	CHARGES, PROPELLING	1.1C	0271
22	CHARGES, PROPELLING, FOR CANNON	1.1C	0279
23	ROCKET MOTORS	1.1C	0280
24	CARTRIDGES FOR WEAPONS, BLANK	1.1C	0326
25	POWDER CAKE, WETTED with not less than 17% alcohol, by mass	1.1C	0433
26	POWDER PASTE, WETTED with not less than 17% alcohol, by mass	1.1C	0433
27	ARTICLES, EXPLOSIVE, N.O.S.	1.1C	0462
28	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1C	0474
29	PROPELLANT, LIQUID	1.1C	0497
30	PROPELLANT, SOLID	1.1C	0498
31	AMMONIUM PICRATE, dry or wetted with less than 10% water, by mass	1.1D	0004
32	BLACK POWDER, granular, or as a meal	1.1D	0027
33	GUNPOWDER, granular, or as a meal	1.1D	0027
34	BLACK POWDER IN PELLETS	1.1D	0028
35	BLACK POWDER, COMPRESSED	1.1D	0028
36	GUNPOWDER IN PELLETS	1.1D	0028
37	GUNPOWDER, COMPRESSED	1.1D	0028
38	BOMBS, with bursting charge	1.1D	0034
39	BOMBS, PHOTO-FLASH	1.1D	0038

40	BOOSTERS, without detonator	1.1D	0042
41	BURSTERS, explosive	1.1D	0043
42	CHARGES, DEMOLITION	1.1D	0048
43	CHARGES, DEPTH	1.1D	0056
44	CHARGES, SHAPED, without detonator	1.1D	0059
45	CHARGES, SUPPLEMENTARY, EXPLOSIVE	1.1D	0060
46	CORD, DETONATING, flexible	1.1D	0065
47	CYCLONITE, WETTED with not less than 15% water, by mass	1.1D	0072
48	CYCLOTTRIMETHYLENETRINITRAMINE, WETTED with not less than 15% water, by mass	1.1D	0072
49	HEXOGEN, WETTED with not less than 15% water, by mass	1.1D	0072
50	RDX, WETTED with not less than 15% water, by mass	1.1D	0072
51	DIETHYLENEGLYCOLDINITRATE, DESENSITIZED with not less than 25% non-volatile water-insoluble phlegmatizer, by mass	1.1D	0075
52	DINITROPHENOL, dry or wetted with less than 5% water, by mass	1.1D	0076
53	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass	1.1D	0078
54	DIPICRYLAMINE	1.1D	0079
55	HEXANITRODIPHENYLAMINE	1.1D	0079
56	HEXYL	1.1D	0079
57	EXPLOSIVE, BLASTING, TYPE A	1.1D	0081
58	EXPLOSIVE, BLASTING, TYPE B	1.1D	0082
59	EXPLOSIVE, BLASTING, TYPE C	1.1D	0083
60	EXPLOSIVE, BLASTING, TYPE D	1.1D	0084
61	FRACTURING DEVICES, EXPLOSIVE for oil wells, without detonator	1.1D	0099
62	HEXOLITE (HEXOTOL) dry or wetted with less than 15% water, by mass	1.1D	0118
63	JET PERFORATING GUNS, CHARGED oil well, without detonator	1.1D	0124
64	MANNITOL HEXANITRATE, WETTED with not less than 40% water or mixture of alcohol and water, by mass	1.1D	0133
65	NITROMANNITE, WETTED with not less than 40% water or mixture of alcohol and water, by mass	1.1D	0133
66	MINES, with bursting charge	1.1D	0137
67	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	1.1D	0143
68	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	1.1D	0144
69	NITROSTARCH dry or wetted with less than 20% water, by mass	1.1D	0146
70	NITRO UREA	1.1D	0147
71	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than 15% phlegmatizer, by mass	1.1D	0150
72	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass	1.1D	0150
73	PENTOLITE dry or wetted with less than 15% water, by mass	1.1D	0151
74	PICRAMIDE	1.1D	0153
75	TRINITROANILINE	1.1D	0153
76	PICRIC ACID dry or wetted with less than 30% water, by mass	1.1D	0154
77	TRINITROPHENOL dry or wetted with less than 30% water, by mass	1.1D	0154
78	PICRYL CHLORIDE	1.1D	0155
79	TRINITROCHLOROBENZENE	1.1D	0155
80	PROJECTILES with bursting charge	1.1D	0168
81	TETRANITROANILINE	1.1D	0207
82	TETRYL	1.1D	0208
83	TRINITROPHENYLMETHYLNITRAMINE	1.1D	0208

84	TNT dry or wetted with less than 30% water, by mass	1.1D	0209
85	TRINITROTOLUENE dry or wetted with less than 30% water, by mass	1.1D	0209
86	TRINITROANISOLE	1.1D	0213
87	TRINITROBENZENE dry or wetted with less than 30% water, by mass	1.1D	0214
88	TRINITROBENZOIC ACID dry or wetted with less than 30% water, by mass	1.1D	0215
89	TRINITRO-meta-CRESOL	1.1D	0216
90	TRINITRONAPHTHALENE	1.1D	0217
91	TRINITROPHENETOLE	1.1D	0218
92	STYPHNIC ACID dry or wetted with less than 20% water or mixture of alcohol and water, by mass	1.1D	0219
93	TRINITRORESORCINOL dry or wetted with less than 20% water or mixture of alcohol and water, by mass	1.1D	0219
94	UREA NITRATE, dry or wetted, with less than 20% water, by mass	1.1D	0220
95	WARHEADS, TORPEDO with bursting charge	1.1D	0221
96	AMMONIUM NITRATE with more than 0.2% by mass of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substances	1.1D	0222
97	AMMONIUM NITRATE FERTILIZER which is more liable to explode than ammonium nitrate with 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D	0223
98	CYCLOTETRAMETHYLENETETRANITRAMINE, WETTED with not less than 15% water, by mass	1.1D	0226
99	HMX, WETTED with not less than 15% water, by mass	1.1D	0226
100	OCTOGEN, WETTED with not less than 15% water, by mass	1.1D	0226
101	EXPLOSIVE, BLASTING, TYPE E	1.1D	0241
102	OCTOL dry or wetted with less than 15% water, by mass	1.1D	0266
103	OCTOLITE dry or wetted with less than 15% water, by mass	1.1D	0266
104	NITROGUANIDINE dry or wetted with less than 20% water, by mass	1.1D	0282
105	PICRITE dry or wetted with less than 20% water, by mass	1.1D	0282
106	GRENADES hand or rifle, with bursting charge	1.1D	0284
107	WARHEADS, ROCKET with bursting charge	1.1D	0286
108	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.1D	0288
109	CORD, DETONATING metal clad	1.1D	0290
110	FUSE, DETONATING metal clad	1.1D	0290
111	NITROCELLULOSE dry or wetted with less than 25% alcohol, by mass	1.1D	0340
112	NITROCELLULOSE dry or wetted with less than 25% water, by mass	1.1D	0340
113	NITROCELLULOSE unmodified or plasticized with less than 18% plasticizing substance, by mass	1.1D	0341
114	5-NITROBENZOTRIAZOL	1.1D	0385
115	TRINITROBENZENESULPHONIC ACID	1.1D	0386
116	TRINITROFLUORENONE	1.1D	0387
117	TNT AND HEXANITROSTILBENE, MIXTURES	1.1D	0388
118	TNT AND TRINITROBENZENE, MIXTURES	1.1D	0388
119	TRINITROTOLUENE AND HEXANITROSTILBENE, MIXTURES	1.1D	0388
120	TRINITROTOLUENE AND TRINITROBENZENE MIXTURES	1.1D	0388
121	TNT MIXTURES CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1D	0389
122	TRINITROTOLUENE MIXTURES CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1D	0389
123	TRITONAL	1.1D	0390
124	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRA-NITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass	1.1D	0391
125	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRA-NITRAMINE (HMX; OCTOGEN) MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	1.1D	0391

126	HEXANITROSTILBENE	1.1D	0392
127	HEXOTONAL	1.1D	0393
128	STYPHNIC ACID, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1D	0394
129	TRINITRORESORCINOL, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1D	0394
130	DIPICRYL SULPHIDE dry or wetted with less than 10% water, by mass	1.1D	0401
131	AMMONIUM PERCHLORATE	1.1D	0402
132	FUZES, DETONATING with protective features	1.1D	0408
133	PENTAERYTHRIT TETRANITRATE with not less than 7% wax, by mass	1.1D	0411
134	PENTAERYTHRITOL TETRANITRATE with not less	1.1D	0411
135	PETN with not less than 7% wax, by mass	1.1D	0411
136	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.1D	0442
137	TORPEDOES with bursting charge	1.1D	0451
138	CHARGES, BURSTING, PLASTICS-BONDED	1.1D	0457
139	ARTICLES, EXPLOSIVE, N.O.S.	1.1D	0463
140	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1D	0475
141	CYCLONITE, DESENSITIZED	1.1D	0483
142	CYCLOTRIMETHYLENETRINITRAMINE, DESENSITIZED	1.1D	0483
143	HEXOGEN, DESENSITIZED	1.1D	0483
144	RDX, DESENSITIZED	1.1D	0483
145	CYCLOTETRAMETHYLENETETRANITRAMINE, DESENSITIZED	1.1D	0484
146	HMX, DESENSITIZED	1.1D	0484
147	OCTOGEN, DESENSITIZED	1.1D	0484
148	DINGU	1.1D	0489
149	DINITROGLYCOLURIL	1.1D	0489
150	NITROTRIAZOLONE	1.1D	0490
151	NTO	1.1D	0490
152	OCTONAL	1.1D	0496
153	1H-TETRAZOLE	1.1D	0504
154	CARTRIDGES FOR WEAPONS, with bursting charge	1.1E	0006
155	ROCKETS with bursting charge	1.1E	0181
156	TORPEDOES with bursting charge	1.1E	0329
157	SOUNDING DEVICES, EXPLOSIVE	1.1E	0374
158	ARTICLES, EXPLOSIVE, N.O.S.	1.1E	0464
159	CARTRIDGES FOR WEAPONS, with bursting charge	1.1F	0005
160	BOMBS, with bursting charge	1.1F	0033
161	BOMBS, PHOTO-FLASH	1.1F	0037
162	MINES, with bursting charge	1.1F	0136
163	PROJECTILES with bursting charge	1.1F	0167
164	ROCKETS with bursting charge	1.1F	0180
165	GRENADES hand or rifle, with bursting charge	1.1F	0292
166	SOUNDING DEVICES, EXPLOSIVE	1.1F	0296
167	TORPEDOES with bursting charge	1.1F	0330
168	WARHEADS, ROCKET with bursting charge	1.1F	0369
169	ARTICLES, EXPLOSIVE, N.O.S.	1.1F	0465
170	CARTRIDGES, FLASH	1.1G	0049

171	FLASH POWDER	1.1G	0094
172	IGNITERS	1.1G	0121
173	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.1G	0192
174	SIGNALS, DISTRESS, ship	1.1G	0194
175	SIGNALS, SMOKE	1.1G	0196
176	FIREWORKS	1.1G	0333
177	FLARES, SURFACE	1.1G	0418
178	FLARES, AERIAL	1.1G	0420
179	ARTICLES, PYROTECHNIC for technical purposes	1.1G	0428
180	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1G	0476
181	ROCKETS, LIQUID FUELLED with bursting charge	1.1J	0397
182	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.1J	0399
183	TORPEDOES, LIQUID FUELLED with or without bursting charge	1.1J	0449
184	ARTICLES, EXPLOSIVE, N.O.S.	1.1L	0354
185	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1L	0357
186	FUZES, DETONATING	1.2B	0107
187	BOOSTERS, WITH DETONATOR	1.2B	0268
188	DETONATORS FOR AMMUNITION	1.2B	0364
189	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.2B	0382
190	ROCKET MOTORS	1.2C	0281
191	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.2C	0328
192	CARTRIDGES, POWER DEVICE	1.2C	0381
193	CARTRIDGES FOR WEAPONS, BLANK	1.2C	0413
194	CHARGES, PROPELLING, FOR CANNON	1.2C	0414
195	CHARGES, PROPELLING	1.2C	0415
196	ROCKETS with expelling charge	1.2C	0436
197	ARTICLES, EXPLOSIVE, N.O.S.	1.2C	0466
198	ROCKETS with inert head	1.2C	0502
199	BOMBS, with bursting charge	1.2D	0035
200	CORD, DETONATING, metal clad	1.2D	0102
201	FUSE, DETONATING, metal clad	1.2D	0102
202	MINES, with bursting charge	1.2D	0138
203	PROJECTILES with bursting charge	1.2D	0169
204	BOOSTERS without detonator	1.2D	0283
205	GRENADES hand or rifle, with bursting charge	1.2D	0285
206	WARHEADS, ROCKET with bursting charge	1.2D	0287
207	PROJECTILES with bursting or expelling charge	1.2D	0346
208	FUZES, DETONATING with protective features	1.2D	0409
209	CHARGES, SHAPED without detonator	1.2D	0439
210	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.2D	0443
211	CHARGES, BURSTING, PLASTICS-BONDED	1.2D	0458
212	ARTICLES, EXPLOSIVE, N.O.S.	1.2D	0467
213	ROCKETS with bursting charge	1.2E	0182
214	CARTRIDGES FOR WEAPONS with bursting charge	1.2E	0321
215	SOUNDING DEVICES, EXPLOSIVE	1.2E	0375
216	ARTICLES, EXPLOSIVE, N.O.S.	1.2E	0468

217	CARTRIDGES FOR WEAPONS, with bursting charge	1.2F	0007
218	SOUNDING DEVICES, EXPLOSIVE	1.2F	0204
219	BOMBS with bursting charge	1.2F	0291
220	GRENADES hand or rifle, with bursting charge	1.2F	0293
221	MINES with bursting charge	1.2F	0294
222	ROCKETS with bursting charge	1.2F	0295
223	PROJECTILES with bursting charge	1.2F	0324
224	PROJECTILES with burster or expelling charge	1.2F	0426
225	ARTICLES, EXPLOSIVE, N.O.S.	1.2F	0469
226	AMMUNITION, INCENDIARY, with or without burster, expelling charge or propelling charge	1.2G	0009
227	AMMUNITION, SMOKE, with or without burster, expelling charge or propelling charge	1.2G	0015
228	AMMUNITION, TEAR-PRODUCING, with burster, expelling charge or propelling charge	1.2G	0018
229	BOMBS, PHOTO-FLASH	1.2G	0039
230	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.2G	0171
231	ROCKETS, LINE THROWING	1.2G	0238
232	SIGNALS, SMOKE	1.2G	0313
233	IGNITERS	1.2G	0314
234	FIREWORKS	1.2G	0334
235	GRENADES, PRACTICE hand or rifle	1.2G	0372
236	FLARES, SURFACE	1.2G	0419
237	FLARES, AERIAL	1.2G	0421
238	ARTICLES, PYROTECHNIC for technical purposes	1.2G	0429
239	PROJECTILES with burster or expelling charge	1.2G	0434
240	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H	0243
241	AMMUNITION, SMOKE, WHITE PHOSPHORUS, with burster, expelling charge or propelling charge	1.2H	0245
242	ROCKET MOTORS, LIQUID FUELLED	1.2J	0395
243	ROCKETS, LIQUID FUELLED with bursting charge	1.2J	0398
244	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.2J	0400
245	AMMUNITION, TOXIC, with burster, expelling charge or propelling charge	1.2K	0020
246	CONTRIVANCES, WATER-ACTIVATED, with burster, expelling charge or propelling charge	1.2L	0248
247	ROCKET MOTORS, WITH HYPERGOLIC LIQUIDS with or without an expelling charge	1.2L	0322
248	ARTICLES, EXPLOSIVE, N.O.S.	1.2L	0355
249	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2L	0358
250	ARTICLES, PYROPHORIC	1.2L	0380
251	DINITROPHENOLATES alkali metals, dry or wetted with less than 15% water, by mass	1.3C	0077
252	DEFLAGRATING METAL SALTS OF AROMATIC NITRO-DERIVATIVES, N.O.S.	1.3C	0132
253	POWDER CAKE, WETTED with not less than 25% water, by mass	1.3C	0159
254	POWDER PASTE, WETTED, with not less than 25% water, by mass	1.3C	0159
255	POWDER, SMOKELESS	1.3C	0161
256	ROCKETS with inert head	1.3C	0183
257	ROCKET MOTORS	1.3C	0186
258	SODIUM DINITRO-ortho-CRESOLATE dry or wetted with less than 15% water, by mass	1.3C	0234
259	SODIUM PICRAMATE dry or wetted with less than 20% water, by mass	1.3C	0235
260	ZIRCONIUM PICRAMATE dry or wetted with less than 20% water, by mass	1.3C	0236
261	CHARGES, PROPELLING, FOR CANNON	1.3C	0242

262	CHARGES, PROPELLING	1.3C	0272
263	CARTRIDGES, POWER DEVICE	1.3C	0275
264	CARTRIDGES, OIL WELL	1.3C	0277
265	CARTRIDGES FOR WEAPONS, BLANK	1.3C	0327
266	CARTRIDGES, SMALL ARMS, BLANK	1.3C	0327
267	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	1.3C	0342
268	NITROCELLULOSE PLASTICIZED with not less than 18% plasticizing substance, by mass	1.3C	0343
269	DINITROSOBENZENE	1.3C	0406
270	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.3C	0417
271	CARTRIDGES, SMALL ARMS	1.3C	0417
272	ROCKETS with expelling charge	1.3C	0437
273	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.3C	0447
274	ARTICLES, EXPLOSIVE, N.O.S.	1.3C	0470
275	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3C	0477
276	PROPELLANT, LIQUID	1.3C	0495
277	PROPELLANT, SOLID	1.3C	0499
278	AMMUNITION, INCENDIARY, with or without burster, expelling charge or propelling charge	1.3G	0010
279	AMMUNITION, SMOKE, with or without burster, expelling charge or propelling charge	1.3G	0016
280	AMMUNITION, TEAR-PRODUCING, with burster, expelling charge or propelling charge	1.3G	0019
281	CARTRIDGES, FLASH	1.3G	0050
282	CARTRIDGES, SIGNAL	1.3G	0054
283	FLARES, SURFACE	1.3G	0092
284	FLARES, AERIAL	1.3G	0093
285	FUSE, NON-DETONATING	1.3G	0101
286	SIGNALS, DISTRESS, ship	1.3G	0195
287	TRACERS FOR AMMUNITION	1.3G	0212
288	ROCKETS, LINE THROWING	1.3G	0240
289	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.3G	0254
290	BOMBS, PHOTO-FLASH	1.3G	0299
291	FLASH POWDER	1.3G	0305
292	IGNITERS	1.3G	0315
293	FUZES, IGNITING	1.3G	0316
294	GRENADES, PRACTICE hand or rifle	1.3G	0318
295	PRIMERS, TUBULAR	1.3G	0319
296	FIREWORKS	1.3G	0335
297	PROJECTILES inert, with tracer	1.3G	0424
298	ARTICLES, PYROTECHNIC for technical purposes	1.3G	0430
299	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3G	0478
300	SIGNALS, SMOKE	1.3G	0487
301	AMMUNITION, PRACTICE	1.3G	0488
302	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.3G	0492
303	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H	0244
304	AMMUNITION, SMOKE, WHITE PHOSPHORUS, with burster, expelling charge or propelling charge	1.3H	0246
305	AMMUNITION, INCENDIARY liquid or gel, with burster, expelling charge or propelling charge	1.3J	0247
306	ROCKET MOTORS, LIQUID FUELLED	1.3J	0396

307	TORPEDOES, LIQUID FUELLED with inert head	1.3J	0450
308	AMMUNITION, TOXIC, with burster, expelling charge or propelling charge	1.3K	0021
309	CONTRIVANCES, WATER-ACTIVATED, with burster, expelling charge or propelling charge	1.3L	0249
310	ROCKET MOTORS, WITH HYPERGOLIC LIQUIDS with or without an expelling charge	1.3L	0250
311	ARTICLES, EXPLOSIVE, N.O.S.	1.3L	0356
312	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3L	0359
313	DETONATORS, ELECTRIC for blasting	1.4B	0255
314	FUZES, DETONATING	1.4B	0257
315	DETONATORS, NON-ELECTRIC for blasting	1.4B	0267
316	ARTICLES, EXPLOSIVE, N.O.S.	1.4B	0350
317	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4B	0361
318	DETONATORS FOR AMMUNITION	1.4B	0365
319	PRIMERS, CAP TYPE	1.4B	0378
320	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4B	0383
321	CARTRIDGES, POWER DEVICE	1.4C	0276
322	CARTRIDGES, OIL WELL	1.4C	0278
323	CARTRIDGES FOR WEAPONS, BLANK	1.4C	0338
324	CARTRIDGES, SMALL ARMS, BLANK	1.4C	0338
325	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.4C	0339
326	CARTRIDGES, SMALL ARMS	1.4C	0339
327	ARTICLES, EXPLOSIVE, N.O.S.	1.4C	0351
328	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4C	0379
329	TETRAZOL-1-ACETIC ACID	1.4C	0407
330	ROCKETS with expelling charge	1.4C	0438
331	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.4C	0446
332	5-MERCAPTOTETRAZOL-1-ACETIC ACID	1.4C	0448
333	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4C	0479
334	CHARGES, PROPELLING	1.4C	0491
335	PROPELLANT, SOLID	1.4C	0501
336	CORD, DETONATING, MILD EFFECT, metal clad	1.4D	0104
337	FUSE, DETONATING, MILD EFFECT, metal clad	1.4D	0104
338	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.4D	0237
339	CORD, DETONATING flexible	1.4D	0289
340	PROJECTILES with bursting charge	1.4D	0344
341	PROJECTILES with bursting or expelling charge	1.4D	0347
342	ARTICLES, EXPLOSIVE, N.O.S.	1.4D	0352
343	WARHEADS, ROCKET with burster or expelling charge	1.4D	0370
344	FUZES, DETONATING with protective features	1.4D	0410
345	CHARGES, SHAPED without detonator	1.4D	0440
346	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4D	0444
347	CHARGES, BURSTING, PLASTICS-BONDED	1.4D	0459
348	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4D	0480
349	JET PERFORATING GUNS, CHARGED oil well, without detonator	1.4D	0494
350	CARTRIDGES FOR WEAPONS with bursting charge	1.4E	0412
351	ARTICLES, EXPLOSIVE, N.O.S.	1.4E	0471
352	CARTRIDGES FOR WEAPONS with bursting charge	1.4F	0348

353	WARHEADS, ROCKET with burster or expelling charge	1.4F	0371
354	PROJECTILES with burster or expelling charge	1.4F	0427
355	ARTICLES, EXPLOSIVE, N.O.S.	1.4F	0472
356	CORD, IGNITER	1.4G	0066
357	FUSE, IGNITER tubular, metal clad	1.4G	0103
358	SIGNAL DEVICES, HAND	1.4G	0191
359	SIGNALS, SMOKE	1.4G	0197
360	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.4G	0297
361	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.4G	0300
362	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.4G	0301
363	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.4G	0303
364	TRACERS FOR AMMUNITION	1.4G	0306
365	CARTRIDGES, SIGNAL	1.4G	0312
366	FUZES, IGNITING	1.4G	0317
367	PRIMERS, TUBULAR	1.4G	0320
368	IGNITERS	1.4G	0325
369	FIREWORKS	1.4G	0336
370	ARTICLES, EXPLOSIVE, N.O.S.	1.4G	0353
371	AMMUNITION, PRACTICE	1.4G	0362
372	AMMUNITION, PROOF	1.4G	0363
373	FLARES, AERIAL	1.4G	0403
374	PROJECTILES inert, with tracer	1.4G	0425
375	ARTICLES, PYROTECHNIC for technical purposes	1.4G	0431
376	PROJECTILES with burster or expelling charge	1.4G	0435
377	GRENADES, PRACTICE hand or rifle	1.4G	0452
378	ROCKETS, LINE THROWING	1.4G	0453
379	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4G	0485
380	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4G	0493
381	AIR BAG INFLATORS PYROTECHNIC or AIR BAG MODULES PYROTECHNIC or SEAT-BELT PRETENSIONERS PYROTECHNIC	1.4G	0503
382	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.4S	0012
383	CARTRIDGES, SMALL ARMS	1.4S	0012
384	CARTRIDGES FOR WEAPONS, BLANK	1.4S	0014
385	CARTRIDGES, SMALL ARMS, BLANK	1.4S	0014
386	PRIMERS, CAP TYPE	1.4S	0044
387	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4S	0055
388	CUTTERS, CABLE, EXPLOSIVE	1.4S	0070
389	FUSE, SAFETY	1.4S	0105
390	GRENADES, PRACTICE hand or rifle	1.4S	0110
391	LIGHTERS, FUSE	1.4S	0131
392	RELEASE DEVICES, EXPLOSIVE	1.4S	0173
393	RIVETS, EXPLOSIVE	1.4S	0174
394	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4S	0193
395	CARTRIDGES, POWER DEVICE	1.4S	0323
396	FIREWORKS	1.4S	0337
397	PROJECTILES inert, with tracer	1.4S	0345

398	ARTICLES, EXPLOSIVE, N.O.S.	1.4S	0349
399	DETONATORS FOR AMMUNITION	1.4S	0366
400	FUZES, DETONATING	1.4S	0367
401	FUZES, IGNITING	1.4S	0368
402	SIGNAL DEVICES, HAND	1.4S	0373
403	PRIMERS, TUBULAR	1.4S	0376
404	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4S	0384
405	FLARES, AERIAL	1.4S	0404
406	CARTRIDGES, SIGNAL	1.4S	0405
407	ARTICLES, PYROTECHNIC for technical purposes	1.4S	0432
408	CHARGES, SHAPED without detonator	1.4S	0441
409	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4S	0445
410	IGNITERS	1.4S	0454
411	DETONATORS, NON-ELECTRIC for blasting	1.4S	0455
412	DETONATORS, ELECTRIC for blasting	1.4S	0456
413	CHARGES, BURSTING, PLASTICS-BONDED	1.4S	0460
414	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4S	0481
415	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4S	0500
416	EXPLOSIVE, BLASTING, TYPE B	1.5D	0331
417	EXPLOSIVE, BLASTING, TYPE E	1.5D	0332
418	SUBSTANCES, EVI, N.O.S.	1.5D	0482
419	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI) N.O.S.	1.5D	0482
420	ARTICLES, EEI	1.6N	0486
421	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE	1.6N	0486
422	ACETYLENE, DISSOLVED	2.1	1001
423	BUTADIENE, STABILIZED	2.1	1010
424	DIVINYL, STABILIZED	2.1	1010
425	BUTANE	2.1	1011
426	BUTENE	2.1	1012
427	BUTYLENE	2.1	1012
428	CYCLOPROPANE	2.1	1027
429	1,1-DIFLUOROETHANE	2.1	1030
430	ETHYLENE FLUORIDE	2.1	1030
431	ETHYLIDENE DIFLOURIDE	2.1	1030
432	ETHYLIDENE FLUORIDE	2.1	1030
433	REFRIGERANT GAS R 152a	2.1	1030
434	DIMETHYLAMINE, ANHYDROUS	2.1	1032
458	PETROLEUM GASES, LIQUEFIED	2.1	1075
459	PROPENE	2.1	1077
435	DIMETHYL ETHER	2.1	1033
436	METHYL ETHER	2.1	1033
437	ETHANE	2.1	1035
438	AMINOETHANE	2.1	1036
439	ETHYLAMINE	2.1	1036
440	MONOETHYLAMINE	2.1	1036
441	CHLOROETHANE	2.1	1037

442	ETHYL CHLORIDE	2.1	1037
443	ETHYLENE, REFRIGERATED LIQUID	2.1	1038
444	ETHYL METHYL ETHER	2.1	1039
445	METHOXYETHANE	2.1	1039
446	METHYL ETHYL ETHER	2.1	1039
447	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.1	1041
448	HYDROGEN, COMPRESSED	2.1	1049
449	ISOBUTENE	2.1	1055
450	ISOBUTYLENE	2.1	1055
451	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	2.1	1060
452	AMINOMETHANE, ANHYDROUS	2.1	1061
453	METHYLAMINE, ANHYDROUS	2.1	1061
454	MONOMETHYLAMINE, ANHYDROUS	2.1	1061
455	CHLOROMETHANE	2.1	1063
456	METHYL CHLORIDE	2.1	1063
457	REFRIGERANT GAS R 40	2.1	1063
460	PROPYLENE	2.1	1077
461	TETRAFLUOROETHYLENE, STABILIZED	2.1	1081
462	TRIMETHYLAMINE, ANHYDROUS	2.1	1083
463	VINYL BROMIDE, STABILIZED	2.1	1085
464	VINYL CHLORIDE, STABILIZED	2.1	1086
465	VINYL METHYL ETHER, STABILIZED	2.1	1087
466	VINYL FLUORIDE, STABILIZED	2.1	1860
467	METHYL CHLORIDE AND METHYLENE CHLORIDE, MIXTURE	2.1	1912
468	COMPRESSED GAS, FLAMMABLE, N.O.S.	2.1	1954
469	DEUTERIUM, COMPRESSED	2.1	1957
470	HEAVY HYDROGEN, COMPRESSED	2.1	1957
471	1,1-DIFLUOROETHYLENE	2.1	1959
472	REFRIGERANT GAS R 1132a	2.1	1959
473	VINYLDENE FLUORIDE	2.1	1959
474	ETHANE, REFRIGERATED LIQUID	2.1	1961
475	ETHYLENE, COMPRESSED	2.1	1962
476	HYDROCARBON GAS, MIXTURE, COMPRESSED, N.O.S.	2.1	1964
477	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	2.1	1965
478	HYDROGEN, REFRIGERATED LIQUID	2.1	1966
479	ISOBUTANE	2.1	1969
480	METHANE, COMPRESSED	2.1	1971
481	NATURAL GAS, COMPRESSED with high methane content	2.1	1971
482	METHANE, REFRIGERATED LIQUID	2.1	1972
483	NATURAL GAS, REFRIGERATED LIQUID with high methane content	2.1	1972
484	PROPANE	2.1	1978
485	HYDROGEN AND METHANE MIXTURES, COMPRESSED	2.1	2034
486	1,1,1-TRIFLUOROETHANE	2.1	2035
487	REFRIGERANT GAS R 143a	2.1	2035
488	2,2-DIMETHYLPROPANE	2.1	2044

489	NEOPENTANE	2.1	2044
490	ALLENE, STABILIZED	2.1	2200
491	PROPADIENE, STABILIZED	2.1	2200
492	HYDROGEN SILICIDE, COMPRESSED	2.1	2203
493	SILANE, COMPRESSED	2.1	2203
494	SILICON TETRAHYDRIDE, COMPRESSED	2.1	2203
495	BROMOTRIFLUOROETHYLENE	2.1	2419
496	1-BUTYNE, STABILIZED	2.1	2452
497	BUT-1-YNE, STABILIZED	2.1	2452
498	ETHYL ACETYLENE, STABILIZED	2.1	2452
499	ETHYL FLUORIDE	2.1	2453
500	FLUROETHANE	2.1	2453
501	REFRIGERANT GAS R 161	2.1	2453
502	FLUOROMETHANE	2.1	2454
503	METHYL FLUORIDE	2.1	2454
504	REFRIGERANT GAS R 41	2.1	2454
505	1-CHLORO-1,1-DIFLUOROETHANE	2.1	2517
506	DIFLUOROCHLOROETHANE	2.1	2517
507	REFRIGERANT GAS R 142b	2.1	2517
508	CYCLOBUTANE	2.1	2601
509	TETRAMETHYLENE	2.1	2601
510	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURES, REFRIGERATED LIQUID containing at least 71.5% ethylene, with not more than 22.5% acetylene and not more than 6% propylene	2.1	3138
511	DEVICES, SMALL, HYDROCARBON GAS POWERED	2.1	3150
512	HYDROCARBON GAS REFILLS FOR SMALL DEVICES, with release device	2.1	3150
513	PERFLUORO(METHYL VINYL ETHER)	2.1	3153
514	TRIFLUOROMETHOXYTRIFLUOROETHYLENE	2.1	3153
515	TRIFLUOROMETHYL TRIFLUOROVINYL ETHER	2.1	3153
516	PENTAFLUROETHOXYTRIFLUOROETHYLENE	2.1	3154
517	PENTAFLUROETHYL TRIFLUOROVINYL ETHER	2.1	3154
518	PERFLUORO(ETHYL VINYL ETHER)	2.1	3154
519	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2.1	3161
520	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2.1	3167
521	DIFLUOROMETHANE	2.1	3252
522	REFRIGERANT GAS R 32	2.1	3252
523	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2.1	3312
524	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2.1	3354
525	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2.1	3358
526	ACETYLENE, SOLVENT FREE	2.1	3374
527	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM	2.1	3468
528	COAL GAS, COMPRESSED	2.3	1023
529	OIL GAS, COMPRESSED	2.3	1071
530	BOROETHANE, COMPRESSED	2.3	1911
531	DIBORANE, COMPRESSED	2.3	1911
532	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	1953
533	COMPRESSED GAS, TOXIC, N.O.S.	2.3	1955

534	INSECTICIDE GAS, TOXIC, N.O.S.	2.3	1967
535	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	3160
536	LIQUEFIED GAS, TOXIC, N.O.S.	2.3	3162
537	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2.3	3168
538	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2.3	3169
539	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	3303
540	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	3304
541	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	3305
542	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	3306
543	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	3307
544	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	3308
545	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	3309
546	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	3310
547	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	3355
548	FLAMMABLE LIQUIDS with flashpoint below -26°C	3	-
549	ISOCYANATES, SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	2478
550	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S.	3	2478
551	ETHYL ISOCYANATE	3	2481
552	DIETHYLZINC	4.2	1366
553	ZINC DIETHYL	4.2	1366
554	ZINC ETHYL	4.2	1366
555	DIMETHYLZINC	4.2	1370
556	ZINC DIMETHYL	4.2	1370
557	PENTABORANE	4.2	1380
558	DIPHENYLMAGNESIUM	4.2	2005
559	MAGNESIUM DIPHENYL	4.2	2005
560	LITHIUM ALKYLs, LIQUID	4.2	2445
561	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2	2845
562	PYROPHORIC SOLID, ORGANIC, N.O.S.	4.2	2846
563	ALUMINIUM BOROXYDRIDE	4.2	2870
564	ALUMINIUM BOROXYDRIDE IN DEVICES	4.2	2870
565	ALUMINIUM ALKYLs	4.2	3051
566	TRIBUTYLALUMINIUM	4.2	3051
567	TRIETHYLALUMINIUM	4.2	3051
568	TRIMETHYLALUMINIUM	4.2	3051
569	TRIPROPYLALUMINIUM	4.2	3051
570	TRIISOBUTYLALUMINIUM	4.2	3051
571	ALUMINIUM ALKYL BROMIDES	4.2	3052
572	ALUMINIUM ALKYL CHLORIDES	4.2	3052
573	ALUMINIUM ALKYL HALIDES, LIQUID	4.2	3052
574	DIETHYLALUMINIUM CHLORIDE	4.2	3052
575	ETHYLALUMINIUM CHLORIDE	4.2	3052
576	ETHYLALUMINIUM SESQUICHLORIDE	4.2	3052
577	METHYLALUMINIUM SESQUIBROMIDE	4.2	3052
578	METHYLALUMINIUM SESQUICHLORIDE	4.2	3052
579	DIETHYLMAGNESIUM	4.2	3053

580	DIMETHYLMAGNESIUM	4.2	3053
581	MAGNESIUM ALKYL	4.2	3053
582	ALUMINIUM ALKYL HYDRIDES	4.2	3076
583	PYROPHORIC LIQUID, INORGANIC, N.O.S.	4.2	3194
584	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2	3200
585	tert-BUTYL HYPOCHLORITE	4.2	3255
586	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2	3391
587	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2	3392
588	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	4.2	3393
589	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	4.2	3394
590	LITHIUM ALKYL, SOLID	4.2	3433
591	ALUMINIUM ALKYL HALIDES, SOLID	4.2	3461
592	TRICHLOROSILANE	4.3	1295
593	ALKALI METAL DISPERSIONS	4.3	1391
594	ALKALINE EARTH METAL DISPERSIONS	4.3	1391
595	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	4.3	1411
596	GRIGNARD SOLUTION	4.3	1928
597	METHYLMAGNESIUM BROMIDE, IN ETHYL ETHER	4.3	1928
598	WATER-REACTIVE SOLID, N.O.S.	4.3	2813
599	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	3129
600	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	3130
601	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	3131
602	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	3132
603	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	3133
604	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	3134
605	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	3135
606	WATER-REACTIVE LIQUID, N.O.S.	4.3	3148
607	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	3208
608	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	3209
609	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	3395
610	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	3396
611	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	3397
612	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	3398
613	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3399
614	AMMONIUM PERCHLORATE	5.1	1442
615	BORATE AND CHLORATE, MIXTURES	5.1	1458
616	CHLORATE AND BORATE, MIXTURES	5.1	1458
617	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	1459
618	CHLORATES, INORGANIC, N.O.S.	5.1	1461
619	CHLORITES, INORGANIC, N.O.S.	5.1	1462
620	NITRATES, INORGANIC, N.O.S.	5.1	1477
621	OXIDIZING SOLID, N.O.S.	5.1	1479
622	PERCHLORATES, INORGANIC, N.O.S.	5.1	1481
623	PERMANGANATES, INORGANIC, N.O.S.	5.1	1482
624	PEROXIDES, INORGANIC, N.O.S.	5.1	1483
625	POTASSIUM CHLORATE	5.1	1485

626	SODIUM CHLORATE	5.1	1495
627	TETRANITROMETHANE	5.1	1510
628	AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organic substance, calculated as carbon to the exclusion of any other added substance	5.1	1942
629	AMMONIUM NITRATE BASED FERTILIZER	5.1	2067
630	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1	2426
631	NITRITES, INORGANIC, N.O.S.	5.1	2627
632	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	3085
633	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	3087
634	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	3098
635	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	3099
636	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	3100
637	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	3121
638	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	3137
639	OXIDIZING LIQUID, N.O.S.	5.1	3139
640	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	3210
641	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	3211
642	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	3214
643	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	3218
644	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	3219
645	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL intermediate for blasting explosives	5.1	3375
646	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	3407
647	1,1-DI-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE (concentration >90 to 100%)	5.2	3101
648	1,1-DI-(tert-BUTYLPEROXY)CYCLOHEXANE (concentration >80 to 100%)	5.2	3101
649	METHYL ETHYL KETONE PEROXIDE(S) (concentration less than or equal to 52% with diluent Type A, available oxygen >10%)	5.2	3101
650	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	3101
651	tert-AMYL PEROXY-3,5,5-TRI-METHYLHEXANOATE (concentration less than or equal to 100%)	5.2	3101
652	tert-BUTYL PEROXYACETATE (concentration >52 to 77%, with diluent Type A)	5.2	3101
653	2,2-DIHYDROPEROXYPROPANE (concentration less than or equal to 27% with inert solid)	5.2	3102
654	2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY)HEXANE (concentration >82% to 100%)	5.2	3102
655	3,3,6,6,9,9-HEXAMETHYL-1,2,4,5-TETRAOXACYCLONONANE (concentration >52% to 100%)	5.2	3102
656	3-CHLOROPEROXYBENZOIC ACID (concentration 57-86% with inert solid)	5.2	3102
657	DI-(2,4-DICHLOROBENZOYL) PEROXIDE (concentration less than or equal to 77% with water)	5.2	3102
658	DI-(2-PHENOXYETHYL) PEROXYDICARBONATE (concentration >85% to 100%)	5.2	3102
659	DIBENZOYL PEROXIDE (concentration >51-100%, with inert solid)	5.2	3102
660	DIBENZOYL PEROXIDE (concentration >77-94%, with water)	5.2	3102
661	DISUCCINIC ACID PEROXIDE (concentration >72% to 100%)	5.2	3102
662	ORGANIC PEROXIDE TYPE B, SOLID	5.2	3102
663	tert-BUTYL MONOPEROXYMALEATE (concentration >52% to 100%)	5.2	3102
664	tert-BUTYL MONOPEROXYPHthalate (concentration less than or equal to 100%)	5.2	3102
665	DIISOBUTYRYL PEROXIDE (concentration >32 to 52% with diluent Type A or B)	5.2	3111
666	ISOPROPYL sec-BUTYL PEROXYDICARBONATE + DI-sec-BUTYL PEROXYDICARBONATE + DI-ISOPROPYL PEROXYDICARBONATE (concentration less than or equal to 52% + less than or equal to 28% + less than or equal to 22%)	5.2	3111
667	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	3111
668	tert-BUTYL PEROXYISOBUTYRATE (concentration >52 to 77% with diluent Type A or B)	5.2	3111
669	ACETYL CYCLOHEXANESULPHONYL PEROXIDE (concentration less than or equal to 82%, with water)	5.2	3112

670	DI-(2-METHYLBENZOYL) PEROXIDE (concentration less than or equal to 87%, with water)	5.2	3112
671	DIBENZYL PEROXYDICARBONATE (concentration less than or equal to 87%, with water)	5.2	3112
672	DICYCLOHEXYL PEROXYDICARBONATE (concentration >91% to 100%)	5.2	3112
673	DIISOPROPYL PEROXYDICARBONATE (concentration >52% to 100%)	5.2	3112
674	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	3112
675	CHLOROMETHYL METHYL ETHER	6.1	1239
676	METHYL CHLOROMETHYL ETHER	6.1	1239
677	NICKEL CARBONYL	6.1	1259
678	NICKEL TETRACARBONYL	6.1	1259
679	2-PROPENYLAMINE	6.1	2334
680	3-AMINOPROPENE	6.1	2334
681	ALLYLAMINE	6.1	2334
682	METHYL ISOCYANATE OR METHYL ISOCYANATE SOLUTIONS	6.1	2480
683	METHYL ISONITRILE	6.1	2480
684	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE-EMPTY PACKAGING	7	2908
685	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	7	2909
686	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, LIMITED QUANTITY OF MATERIAL	7	2910
687	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE-INSTRUMENTS OR ARTICLES	7	2911
688	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY MATERIAL (LSA-I) non-fissile or fissile excepted	7	2912
689	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non-fissile or fissile excepted	7	2913
690	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile excepted	7	2915
691	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE non-fissile or fissile excepted	7	2916
692	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE non-fissile or fissile excepted	7	2917
693	RADIOACTIVE MATERIAL TRANSPORTED UNDER SPECIAL ARRANGEMENT non-fissile or fissile excepted	7	2919
694	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	7	2977
695	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE non-fissile or fissile excepted	7	2978
696	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non-fissile or fissile excepted	7	3321
697	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non-fissile or fissile excepted	7	3322
698	RADIOACTIVE MATERIAL, TYPE C PACKAGE non-fissile or fissile excepted	7	3323
699	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7	3324
700	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE	7	3325
701	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7	3326
702	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE non-special form	7	3327
703	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7	3328
704	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7	3329
705	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7	3330
706	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7	3331
707	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM non-fissile or fissile excepted	7	3332
708	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7	3333
709	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	2734
710	POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	2734

This form may take you 10 minutes to fill in.

**THE MARITIME AND PORT AUTHORITY OF SINGAPORE  
(DANGEROUS GOODS, PETROLEUM AND EXPLOSIVES)  
REGULATIONS, 2005**

M P A  
Singapore

Note: This form must be completed neatly

Sheet.....of.....

**ADVANCE NOTICE OF ARRIVAL/LOADING AND  
APPLICATION TO DISCHARGE/LOAD/TRANSIT**

Name of Vessel	Voy No:	Type:	ETA	Last Port :	Licensed DG/Explosive Lighter Nos.(if applicable)
			BTR		

NOTE: Please arrange in the order of discharging/loading/transiting

S/No.	Quantity, Type of Packaging & Correct Technical Name of Substances(Trade Names Shall Not Be Used)	Nett Wt. (Kg)	Container No.	Stowage Onboard Cell Location	IMO Class	UN No.	FP ( °C )	Discharge/Load/Transit		Port Chemist
								Location	Date/Time	Remarks

**DECLARATION UNDER SECTION 10 OF THE MPA ACT (CHAPTER 170A)**  
We hereby declare that the information is correct and undertake to fulfill and comply with all the regulations in respect of the Carriage of Dangerous Goods, including those remaining on board, as specified in the MPA  
**(Dangerous Goods, Petroleum and Explosives - Regulations 2005)**

Name of Person Signing : .....  
Designation : .....  
\*Name & Address of Owner/Agent : .....  
.....  
Tel No : ..... Date : .....  
Fax No : ..... \*Delete as appropriate

.....  
Signature of Owner/Agent/Master (With firm's/company's stamp)

**GENERAL CONDITIONS**

- Agents are to ensure that they correctly declare the quantity, type of packaging, technical name, IMO class, UN NO. and flash point.
- For discharging DG, applications must be submitted at least 24 hours (working days) before vessel's arrival in port.

- For loading DG, applications must be submitted at least 24 hours (working days) before date of cargo being loaded.
- To avoid delays in processing the application, agents are urged to provide correct and complete information.

Remarks

.....  
for Port Master  
PM4-0485A4