
First published in the *Government Gazette*, Electronic Edition, on 30 November 2021 at 5 pm.

No. S 907

MARITIME AND PORT AUTHORITY OF SINGAPORE ACT
(CHAPTER 170A)

MARITIME AND PORT AUTHORITY OF SINGAPORE
(DANGEROUS GOODS, PETROLEUM AND EXPLOSIVES)
(AMENDMENT) REGULATIONS 2021

In exercise of the powers conferred by section 41 of the Maritime and Port Authority of Singapore Act, the Maritime and Port Authority of Singapore, with the approval of the Minister for Transport, makes the following Regulations:

Citation and commencement

1. These Regulations are the Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) (Amendment) Regulations 2021 and come into operation on 1 December 2021.

Deletion and substitution of regulation 73

2. Regulation 73 of the Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) Regulations 2005 (G.N. No. S 24/2005) is deleted and the following regulation substituted therefor:

“Limitation of maximum quantities of First Schedule dangerous goods

73.—(1) Despite any provision of this Part, First Schedule dangerous goods may remain on board a vessel within the port limits and may, wherever necessary, be loaded, discharged or otherwise handled at any approved wharf if the First Schedule dangerous goods are —

(a) within the quantity specified in the Third Schedule; or

(b) permitted by the Authority, upon the request of the owner or agent of the vessel or the terminal manager, to so remain on board the vessel and to be so loaded, discharged or otherwise handled.

(2) The permission of the Authority under paragraph (1)(b) is subject to such conditions as the Authority thinks fit to impose for ensuring the safety of the vessel concerned and persons in the port.”.

New Third Schedule

3. The Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives) Regulations 2005 are amended by inserting, immediately after the Second Schedule, the following Schedule:

“THIRD SCHEDULE

Regulation 73(1)(a)

MAXIMUM QUANTITIES OF FIRST SCHEDULE DANGEROUS GOODS

1. The 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 is set out in paragraphs 4 to 8.

2. For the purposes of paragraph 1 —

(a) the quantity of any N.O.S. item without any additional information as to a recognised chemical name or the main hazardous constituents at any Jurong Port container berth or PSA container berth is the quantity in respect of the IMO Class the N.O.S. item belongs to, as set out in Tables 1, 2, and 3 in paragraphs 4 and 5 of this Schedule, respectively, or 0.5 tonne, whichever is the lower; and

(b) the aggregate quantity of —

(i) Methane;

(ii) First Schedule dangerous goods under IMO Classes 2.3, 3, 4.2, 4.3, 5.2, 6.1 and 8 or UN Nos. 1458, 1459 and 1510; and

(iii) N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents,

at any conventional berth must not exceed 0.25 tonne.

3. In this Schedule, unless the context otherwise requires —

“conventional berth” means any berth within port limits which is not a Jurong Port container berth or a PSA container berth;

“Jurong Port container berth” means any berth owned or leased by Jurong Port Pte Ltd for the handling, storage and transportation of containers;

“Net Explosives Quantity” or “(NEQ)” means the aggregate of the total amount of explosives on board a vessel and those on board every other vessel that is tied alongside that vessel;

“N.O.S. item” means any First Schedule dangerous good with the description “N.O.S.”;

“PSA container berth” means any berth owned or leased by PSA Corporation Limited for the handling, storage and transportation of containers;

“terminal”, in relation to a conventional berth, means the terminal of which that conventional berth is part;

“tonne” means one metric tonne.

4. Jurong Port container berths

TABLE 1

Part 1

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 ^(1 and 7) compressed	IMO Class 2.1 ⁽⁷⁾ liquefied	IMO Class 2.3	IMO Classes 3 and 8 FP < -26°C ⁽²⁾
J19	Prohibited	0.2	5	25	Prohibited	25
J18	Prohibited	20	15	40	0.3	40
J17	Prohibited	20	20	75	0.3	75
J16	Prohibited	20	25	250	0.3	250
J15	Prohibited	20	25	3000	1.5	500
J14	Prohibited	20	25	500	1.5	500
J13	Prohibited	20	25	500	1.5	500
J24	Prohibited	20	20	75	0.3	75
J25	Prohibited	20	15	40	0.3	40

Part 2

Berth	IMO Class 4.2 ⁽³⁾	IMO Class 4.3 ⁽⁴⁾	IMO Class 5.1 ⁽⁵⁾	IMO Class 5.2	IMO Class 6.1 ⁽⁶⁾
J19	20	30	250	50	20
J18	30	50	750	100	50
J17	50	75	750	175	50
J16	150	250	750	175	50
J15	300	600	750	175	50
J14	300	600	750	175	50
J13	300	600	750	175	50
J24	50	75	750	175	50
J25	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 aggregate 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 is treated as an exception with a special limit of 250 kg.
- (4) UN No. 1295 is prohibited at Jurong Port container berth J19.
- (5) ^(a) For ammonium nitrate/ammonium nitrate fertilisers under IMO Class 5.1, the maximum quantity allowed is 400 tonnes or quantity limit as indicated in the table, whichever is lower.
^(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 kg 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.

5. PSA container berths

TABLE 2

Part 1

Berth	IMO Classes 1.1, 1.2 and 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 ⁽¹⁾	IMO Class 2.3 ⁽²⁾	IMO Classes 3, 6.1 and 8 FP < -26°C ⁽³⁾
B01	Prohibited	20	0.5	100	Prohibited	100
B02	Prohibited	20	0.5	100	0.5	100
B03	Prohibited	20	0.5	100	0.5	100
B04	Prohibited	20	13	200	0.5	200
B05	Prohibited	20	13	200	0.5	200
B06	Prohibited	20	13	200	0.5	200
B07	Prohibited	20	13	200	0.5	200
B08	Prohibited	20	13	200	0.5	200
B09	Prohibited	20	6	100	0.5	100
T01	Prohibited	20	6	100	0.5	100
T02	Prohibited	20	13	200	0.5	200
T03	Prohibited	20	13	200	0.5	200
T04	Prohibited	20	13	200	0.5	200
T05	Prohibited	20	13	200	0.5	200
T06	Prohibited	20	13	200	0.5	200
T07	Prohibited	20	13	200	0.5	200
T08	Prohibited	20	6	200	0.5	200
K09	Prohibited	20	13	200	0.5	200
K10	Prohibited	20	13	200	0.5	200
K11	Prohibited	20	13	200	0.5	200
K12	Prohibited	20	13	200	0.5	200
K13	Prohibited	20	6	200	0.5	200
K14	Prohibited	20	0.5	100	0.5	100
K15	Prohibited	20	0.5	100	0.5	100
K16	Prohibited	20	0.5	100	0.5	100
K17	Prohibited	20	0.5	100	0.5	100

K18	Prohibited	20	6	100	0.5	100
K19	Prohibited	20	0.5	100	0.5	100
K20	Prohibited	20	0.5	100	Prohibited	100
K21	Prohibited	0.2	Prohibited	100	Prohibited	100
K22	Prohibited	0.2	Prohibited	100	Prohibited	100
K23	Prohibited	0.2	Prohibited	100	Prohibited	100

Part 2

Berth	IMO Class 4.2	IMO Class 4.3 ⁽⁴⁾	Ammonium Nitrate ⁽⁵⁾	IMO Class 5.1	IMO Class 5.2	IMO Class 6.1 ⁽⁶⁾
B01	120	90	400	88	100	0.5
B02	240	180	400	175	100	0.5
B03	240	270	400	175	100	0.5
B04	240	360	400	350	100	0.5
B05	240	360	400	350	100	0.5
B06	240	360	400	350	100	0.5
B07	240	360	400	350	100	0.5
B08	240	360	400	350	100	0.5
B09	240	360	400	350	100	0.5
T01	240	360	400	350	100	0.5
T02	240	360	400	350	100	0.5
T03	240	360	400	350	100	0.5
T04	240	360	400	350	100	0.5
T05	240	360	400	350	100	0.5
T06	240	360	400	350	100	0.5
T07	240	360	400	350	100	0.5
T08	240	360	400	350	100	0.5
K09	240	360	400	350	100	0.5
K10	240	360	400	350	100	0.5
K11	240	360	400	350	100	0.5
K12	240	360	400	350	100	0.5
K13	240	360	400	350	100	0.5
K14	240	360	400	350	100	0.5
K15	240	360	400	350	100	0.5
K16	240	360	400	350	100	0.5

K17	240	360	400	350	100	0.5
K18	240	360	400	350	100	0.5
K19	240	270	400	260	100	0.5
K20	120	90	400	88	100	0.5
K21	24	18	400	18	20	0.5
K22	24	18	400	18	20	0.5
K23	0.5	0.5	0.5	0.5	0.5	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 Class 3, 6.1 or 8 where it is in liquid form with a flashpoint below -26°C.
 - (b) Flammable liquids with subsidiary risk of IMO Class 6.1 carried in isotanks are prohibited at PSA container berths B01-04, B08, B09, T01, T02, T08 and K14-23.
 - (c) Propylene Oxide carried in isotanks is prohibited at PSA container berths B01-09, T01-T08 and K09-K23.
 - (d) The maximum weight permitted for UN No. 2478 with a flashpoint below 23°C is 0.5 tonne at any PSA container berth.
 - (e) For PSA container berths B01, K20, K21, K22 and K23, substances carried in isotanks are prohibited.
- (4) UN No. 1295 is prohibited at PSA container berths B01-03, B09, T01 and K15-23.
- (5) Only applicable to ammonium nitrate/ammonium nitrate fertilisers under IMO Class 5.1.
- (6) Only applicable to UN Nos. 1510, 1259, 2480, 2481 and N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents in this category.

TABLE 3

Part 1

Berth	IMO Classes 1.1, 1.2, 1.3 (except 1.3C, 1.3G and 1.3H), 1.5 and 1.6	IMO Classes 1.3C, 1.3G, 1.3H and 1.4 (NEQ) ⁽¹⁾	Methane ⁽²⁾	IMO Class 2.1	IMO Class 2.3 ⁽³⁾	IMO Classes 3, 6.1 and 8 FP < -26°C ⁽⁴⁾
P01-P41	Prohibited	300	60	1104	1.2	1104
G01-G02	Prohibited	300	60	1104	1.2	1104
U01-U66	Prohibited	300	60	1104	1.2	1104

Part 2

Berth	IMO Class 4.2	IMO Class 4.3	IMO Class 5.1, including Ammonium Nitrate ⁽⁵⁾	IMO Class 5.2	IMO Class 6.1 ⁽⁶⁾
P01-P41	696	1344	1682	240	1.2
G01-G02	696	1344	1682	240	1.2
U01-U66	696	1344	1682	240	1.2

All figures shown are in tonnes.

Notes:

- (1) For IMO Class 1.3C, 1.3G and 1.3H, the maximum aggregate weight permitted is 120 tonnes or the quantity limit as indicated in the table, whichever is lower.
- (2) This category is for UN No. 1971 only.
- (3) 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.
- (4) ^(a) Applicable only to IMO Class 3 where it is in liquid form with a flashpoint below -26°C.
^(b) The maximum weight permitted for UN No. 2478 with a flashpoint below 23°C is 0.5 tonne at any PSA container berth.
- (5) Only applicable to ammonium nitrate/ammonium nitrate fertilisers under IMO Class 5.1 The weight permitted for IMO Class 5.1 and Ammonium Nitrate is combined for P01-P41, G01-G02 and U01-U66.
- (6) Only applicable to UN Nos. 1510, 1259, 2480, 2481 and N.O.S. items without any additional information as to a recognised chemical name or the main hazardous constituents in this category.

6. Conventional berths

TABLE 4

<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, 1.3H and 1.4	<p>(a) for a conventional berth, the boundary of which when measured from any part of the berth is more than 240 m away from the nearest point of the fence of the terminal — 20 tonnes</p> <p>(b) for a conventional berth, the boundary of which when measured from any part of the berth is less than 240 m away from the nearest point of the fence of the terminal — 0.2 tonne</p>
IMO Class 1.5	Prohibited
IMO Class 1.6	Prohibited
IMO Class 2.1	<p>(a) for a conventional berth, the boundary of which when measured from any part of the berth is more than 150 m but less than 500 m away from the nearest point of the fence of the terminal — 20 tonnes⁽¹⁾</p> <p>(b) for a conventional berth, the boundary of which when measured from any part of the berth is less than 150 m away from the nearest point of the fence of the terminal — 0.25 tonne</p> <p>(c) for a conventional berth, the boundary of which when measured from any part of the berth is more than 500 m from the nearest point of the fence of the terminal — 50 tonnes⁽¹⁾</p>
Methane	0.25 tonne
IMO Class 2.3 ⁽²⁾	0.25 tonne
IMO Class 3 ⁽³⁾	0.25 tonne
IMO Class 4.2	0.25 tonne
IMO Class 4.3	0.25 tonne

IMO Class 5.1	
Ammonium Nitrate/Ammonium	When packed in sound steel drums or in bags within containers — 400 tonnes
Nitrate Fertilisers ⁽⁴⁾ and UN Nos. 1485 and 1495	Other than in sound steel drums or in bags within containers — 50 tonnes
UN No. 1442	10 tonnes
UN Nos. 1458, 1459 and 1510 and N.O.S. items	0.25 tonne
IMO Class 5.2	0.25 tonne
IMO Class 6.1 ⁽⁵⁾	0.25 tonne
IMO Class 7	Subject to approval by the Radiation Protection and Nuclear Science Division ⁽⁶⁾
IMO Class 8 ⁽⁷⁾	0.25 tonne

All figures shown are in tonnes.

Notes:

- (1) The maximum aggregate 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 flashpoint below -26°C and UN No. 2478 or 2481 with flashpoint below 23°C. A vessel carrying First Schedule dangerous goods of this description may only berth at a conventional berth the boundary of which when measured from any part of the berth 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 may only berth at a conventional berth the boundary of which when measured from any part of the berth is not less than 100 m away from the nearest point of the fence of the terminal.
- (5) Only applicable where in liquid form and with a flashpoint below -26°C, and UN Nos. 1259 and 2480.
- (6) Radiation Protection and Nuclear Science Division of the National Environment Agency.
- (7) Only applicable when in liquid form and with a flashpoint below -26°C.

7. Tuas Jetty

(a) At the head of the jetty

TABLE 5.1

<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

TABLE 5.2

<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.

8. Sudong Explosive Anchorage

TABLE 6

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

[G.N. Nos. S 587/2007; S 649/2009; S 795/2015]

Made on 25 November 2021.

NIAM CHIANG MENG
Chairman,
Maritime and Port Authority of
Singapore.

[MPA 46/01.C09/CO; AG/LEGIS/SL/170A/2020/2 Vol. 1]