



PORT MARINE CIRCULAR  
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Shipping Community  
Harbour Craft Community

## **ROAD TRANSPORTATION OF CONTROLLED HAZARDOUS SUBSTANCES IN PORT**

The National Environment Agency (NEA) has published a circular to remind industry partners on the requirements of the transport of Hazardous Substances in Singapore.

2 The National Environment Agency's, Circular No. NEA/HS/6.6, is enclosed as **Appendix 1**.

3 For further clarifications relating to this circular, please contact the following National Environment Agency officers:

- Mr CHEN Fu Yi at [CHEN\\_Fu\\_Yi@nea.gov.sg](mailto:CHEN_Fu_Yi@nea.gov.sg)
- Mr LEE Chee Siang at [LEE\\_Chee\\_Siang@nea.gov.sg](mailto:LEE_Chee_Siang@nea.gov.sg)
- Mr WONG Jian Zhi at [WONG\\_Jian\\_Zhi@nea.gov.sg](mailto:WONG_Jian_Zhi@nea.gov.sg)

CAPT KEVIN WONG  
PORT MASTER  
MARITIME AND PORT AUTHORITY OF SINGAPORE

NEA/HS/6.6

24 November 2020

To: Shipping Community  
Transport & Logistics Community  
PSA Corporation Limited (PSA)

Cc: Maritime and Port Authority of Singapore (MPA)

Dear Sir/Madam,

## **NEA's CONTROLS FOR ROAD TRANSPORTATION OF CONTROLLED HAZARDOUS SUBSTANCES**

To protect and safeguard public health and safety, road transportation of various hazardous substances is regulated in Singapore by National Environment Agency (NEA) under the Environmental Protection and Management (Hazardous Substances) Regulations ("EPM(HS) Regulations").

### **Reminder on Transportation of Hazardous Substances**

2. Individuals and entities involved in the road transportation of controlled hazardous substances (including but not limited to importers and exporters of such substances, hauliers, and logistics service providers) are reminded to ensure that such transportation are carried out in accordance with NEA's approved transportation routes and allowable transportation quantities (i.e. maximum unit packaging and quantities per trip). The transportation should also adhere to NEA's stipulated timings as follows:

- (a) Transportation from 9am to 5pm from Monday to Saturday only; and
- (b) No transportation on Sundays and public holidays.

3. For more information on the road transportation of controlled hazardous substances, please refer to NEA's website at:

<https://www.nea.gov.sg/our-services/pollution-control/chemical-safety/transportationof-hazardous-substances>

### **Inter-Gateway Transport of Transshipment Containers Containing Hazardous Substances**

4. PSA currently undertakes the inter-gateway transport of transshipment containers between its terminals in Singapore.

5. With effect from 1 Jan 2021, PSA's inter-gateway transportation of transshipment containers containing hazardous substances exceeding the maximum unit packaging limits stipulated in **Annex A** will no longer be permitted on public roads. Instead, PSA

must transport such containers between its terminals using Dangerous Goods (DG) barges that are certified with MPA.

6. For transshipment containers that are permitted on public roads, NEA's other controls for the road transport of hazardous substances (such as maximum transport quantities and maximum unit packaging) remain applicable, save that the inter-gateway road transport of such containers by PSA along fixed pre-approved routes may be carried out from 7am to 7pm daily (including public holidays).

7. NEA would like to remind all stakeholders to comply with all the relevant controls related to the road transportation of hazardous substances. Any person found guilty of an offence under Environmental Protection and Management (Hazardous Substances) Regulations shall be liable for prosecution action by NEA.

8. For further clarifications relating to this circular, please contact the following officers:

- Mr Chen Fu Yi at email: [chen\\_fu\\_yi@nea.gov.sg](mailto:chen_fu_yi@nea.gov.sg)
- Mr Lee Chee Siang at email: [lee\\_chee\\_siang@nea.gov.sg](mailto:lee_chee_siang@nea.gov.sg)
- Mr Wong Jian Zhi at email: [wong\\_jian\\_zhi@nea.gov.sg](mailto:wong_jian_zhi@nea.gov.sg)

Yours faithfully,

Chen Fu Yi

for Director

Pollution Control Division 1  
National Environment Agency

(This is a computer generated letter. No signature is required)

## ANNEX A

S/N	Type of hazardous substances	Maximum unit packaging limit	UN No.
1	Ammonia	450kg	1005
2	Arsine	28kg	2676
3	Antimony trihydride	0kg	2188
4	Boron tribromide	50kg	1741
5	Boron trichloride	60kg	1008
6	Boron trifluoride	8kg	1016
7	Bromine	100kg	1017
8	Carbon Monoxide	11.7kg	1749
9	Chloropicrin	50kg	1911
10	Chlorine	100kg	2199
11	Chlorosulphonic acid	250kg	1040
12	Chlorine trifluoride	40kg	1045
13	Diborane	20kg	2192
14	Dibromochloropropane	0kg	1050
15	Diethyl sulphate	0kg	1052
16	Ethylene dichloride	200kg	2202
17	Ethylene oxide	65kg	1051
18	1,2-dibromoethane	1kg	1064
19	Ethylene imine	2kg	1062
20	Epichlorohydrin	250kg	1660
21	Fluorine	10kg	1076
22	Germane	13kg	2198
23	Hydrazine (anhydrous)	250kg	2418
24	Hydrogen Chloride	37kg	2191
25	Hydrogen fluoride	36kg	2196
26	Hydrofluoric acid	1000kg	2029
27	Hydrogen selenide	5kg	2692
28	Hydrogen cyanide	1.5kg	1744
29	Methyl Bromide	50kg	1580
30	Methyl Isocyanate	0kg	1754

<b>S/N</b>	<b>Type of hazardous substances</b>	<b>Maximum unit packaging limit</b>	<b>UN No.</b>
31	Methyl mercaptan	6kg	1605
32	Mercury	35kg	2872
33	Nitric acid	1000kg	1595
34	Nitric oxide	15kg	1184
35	Phosphine	17kg	1185
36	Phosphorus oxychloride	3kg	2023
37	Phenol	250kg	1790
38	Phosphorus trichloride	50kg	2809
39	Phosgene	0kg	2480
40	Phosphorus pentafluoride	0kg	2032
41	Sulphur tetrafluoride	0kg	1810
42	Sulphuryl fluoride	0kg	2312
43	Sulphur trioxide	0kg	1809
44	Sulphuryl chloride	0kg	1829
45	Tungsten hexafluoride	125kg	1834
46	Titanium tetrachloride	300kg	1838
47	Toluene diisocyanate	250kg	2078