

**SAFETY DATA SHEET**

Revision Date: 02/24/2018

Print Date: 3/20/2018

SDS Number: R0717866

Version: 1.2

Prolipid™ 151 lamellar gel
™ Trademark, Ashland or its subsidiaries, registered
in various countries
861156

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : Prolipid™ 151
lamellar gel
™ Trademark, Ashland or its subsidiaries, registered in
various countries

Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Personal care
Cosmetics

Details of the supplier of the safety data sheet

Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America (USA)
+1-614-790-3333

EHSProductSafety@ashland.com

Emergency telephone number

1-800-ASHLAND (1-800-274-5263)

Regulatory Information Number

1-800-325-3751

Product Information

+1-614-790-3333

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.

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Wear eye protection/ face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue
rinsing.

If eye irritation persists: Get medical advice/ attention.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : organic

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
ALCOHOL	254504001-5838	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	>= 1.50 - < 5.00

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

GLYCERYL MONOSTEARATE	31566-31-1	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	71.379
1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides	243982-96-9	Comb Dust Acute Tox. 4; H302 Eye Dam. 1; H318	2.8875



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SECTION 4. FIRST AID MEASURES

- | | |
|---|---|
| General advice | : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended. |
| If inhaled | : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. |
| In case of eye contact | : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye. |
| If swallowed | : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
Cough
Difficulty in breathing
Causes serious eye irritation. |
| Notes to physician | : No hazards which require special first aid measures. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam |
| Unsuitable extinguishing media | : High volume water jet |



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Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : carbon dioxide and carbon monoxide
 acrid smoke and fumes
 Aldehydes
 nitrogen oxides (NOx)

Specific extinguishing methods :

Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
 Avoid breathing dust.
 Material can create slippery conditions.
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions : Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid dust formation.
 Do not breathe vapours/dust.
 Do not smoke.
 Ensure all equipment is electrically grounded and bonded before beginning transfer operations.



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The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres.

Container hazardous when empty.

Avoid contact with skin and eyes.

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national regulations.

Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.

For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the Manufacturing, Processing and Handling of Combustible Particulate Solids".

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ALCOHOL	254504001-5838	TWA	5 mg/m3 mist, respirable fraction	OSHA Z-1
		TWA	15 mg/m3 mist, total dust	OSHA Z-1
		PEL	10 mg/m3 Mist - total fraction	CAL PEL
		PEL	5 mg/m3 Mist - respirable fraction	CAL PEL
		TWA	10 mg/m3 Mist - total dust	OSHA P0

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		TWA	5 mg/m3 Mist - respirable fraction	OSHA P0
--	--	-----	--	---------

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GLYCERYL MONOSTEARATE	31566-31-1	TWA	10 mg/m3 Inhalable fraction	ACGIH
		TWA	3 mg/m3 Respirable fraction	ACGIH

Hazardous components without workplace control parameters

Components	CAS-No.
1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides	243982-96-9

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
 Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses

Skin and body protection : Wear as appropriate:
 Safety shoes
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.
 Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Avoid breathing dust.
 Wash hands before breaks and at the end of workday.
 When using do not eat or drink.
 When using do not smoke.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Wax like
Physical state	: solid
Colour	: white
Odour	: mild, characteristic
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: 122 - 131 °F / 50 - 55 °C
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Thermal decomposition	: No data available



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Viscosity
 Viscosity, dynamic : No data available
 Viscosity, kinematic : No data available
 Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.
 Chemical stability : Stable under recommended storage conditions.
 Possibility of hazardous reactions : Product will not undergo hazardous polymerization.
 Conditions to avoid : Keep away from heat, flame, sparks and other ignition sources.
 excessive heat
 heat
 Extremes of temperature and direct sunlight.
 Incompatible materials : Acids
 Strong bases
 Strong oxidizing agents
 Hazardous decomposition products : acrolein
 Aldehydes
 carbon dioxide and carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
 Skin contact
 Eye Contact
 Ingestion

Acute toxicity

Not classified based on available information.

Components:



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ALCOHOL:

Acute oral toxicity : LD50 (Rat): 12,600 mg/kg
 Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 570 mg/m3
 Exposure time: 1 h
 Test atmosphere: vapour
 Assessment: Not classified as acutely toxic by inhalation
 under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 10 g/kg

Components:

GLYCERYL MONOSTEARATE:

Acute oral toxicity : LD50 (Mouse): > 5,000 mg/kg
 Method: OECD Test Guideline 401

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives,
 chlorides:

Acute oral toxicity : LD50 (Rat): 1,000 - 2,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May cause skin irritation in susceptible persons.

Components:

ALCOHOL:

Result: No skin irritation

Components:

GLYCERYL MONOSTEARATE:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives,
 chlorides:

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

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Remarks: Product dust may be irritating to eyes, skin and respiratory system., Causes serious eye irritation.

Components:

ALCOHOL:

Result: Slight, transient irritation

Components:

GLYCERYL MONOSTEARATE:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Remarks: Information given is based on data obtained from similar substances.

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives,
 chlorides:

Species: Rabbit

Result: Corrosive

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives,
 chlorides:

Assessment: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives,
 chlorides:

Genotoxicity in vitro

: Test Type: Ames test
 Result: negative

: Test Type: Chromosome aberration test in vitro
 Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

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Not classified based on available information.

Further information**Product:**

Remarks: No data available

Carcinogenicity:**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Ecotoxicology Assessment

Acute aquatic toxicity : Acute aquatic toxicity Category 1; Very toxic to aquatic life.

Chronic aquatic toxicity : Not classified based on available information.

Components:**ALCOHOL:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,995 mg/l
Exposure time: 48 h

GLYCERYL MONOSTEARATE:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.12 mg/l
Exposure time: 96 h



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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.14 mg/l
 Exposure time: 48 h

Toxicity to algae : EC50 (green algae): 0.011 mg/l
 Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 10

Persistence and degradability

Components:

ALCOHOL:

Biodegradability : Result: Readily biodegradable.

1-Propanaminium, 3-amino-N-(2-hydroxyethyl)-N,N-dimethyl-, N-C16-18 acyl derivatives, chlorides:

Biodegradability : Result: rapidly biodegradable
 Biodegradation: 86 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301B
 Remarks: The 10 day time window criterion is not fulfilled.

No data available

Bioaccumulative potential

Components:

ALCOHOL:

Partition coefficient: n-octanol/water : log Pow: -1.76

No data available

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice : The product should not be allowed to enter drains, water courses or the soil.



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Do not contaminate ponds, waterways or ditches with
 chemical or used container.
 Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and
 federal regulations.

Contaminated packaging : Empty remaining contents.
 Dispose of as unused product.
 Empty containers should be taken to an approved waste
 handling site for recycling or disposal.
 Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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MX_DG

UN 3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)	9		III	
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN 3077	Environmentally hazardous substance, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)	9		III	
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN 3077	Environmentally hazardous substance, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)	9		III	
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INTERNATIONAL MARITIME DANGEROUS GOODS

UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMO NIUM CHLORIDE)	9	III	MARINE POLLUTANT:(HYDROXYET HYL CETEARAMID OPROPYLDIM ONIUM CHLORIDE)
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TDG_INWT_C

UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMO NIUM CHLORIDE)	9	III	
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TDG_RAIL_C

UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMO NIUM CHLORIDE)	9	III	
----	------	--	---	-----	--

TDG_ROAD_C

UN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDROXYETHYL CETEARAMIDOPROPYLDIMO NIUM CHLORIDE)	9	III	
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U.S. DOT - INLAND WATERWAYS

UN	3077	Environmentally hazardous substances, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMO NIUM CHLORIDE)	9	III	
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CFR_RAIL_C

UN	3077	Environmentally hazardous substances, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)	9	III
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U.S. DOT - ROAD

UN	3077	Environmentally hazardous substances, solid, n.o.s. (HYDROXYETHYL CETEARAMIDOPROPYLDIMONIUM CHLORIDE)	9	III
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*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	yes
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPC.

SARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations
 Pennsylvania Right To Know
 ALCOHOL**

254504001-



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GLYCERYL MONOSTEARATE	31566-31-1
STEARYL ALCOHOL	112-92-5
CETYL ALCOHOL	36653-82-4
1-DOCOSANOL	661-19-8
CETYL-STEARYL ALCOHOL	67762-27-0

New Jersey Right To Know ALCOHOL

254504001-
5838

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 being withheld under business confidentiality.

GLYCERYL MONOSTEARATE	31566-31-1
STEARYL ALCOHOL	112-92-5
CETYL ALCOHOL	36653-82-4
1-DOCOSANOL	661-19-8

California Prop 65

This product does not contain any chemicals known to State
 of California to cause cancer, birth defects, or any other
 reproductive harm.

The components of this product are reported in the following inventories:

TSCA	: On the inventory, or in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.
AICS	: Not in compliance with the inventory
ENCS	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory



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IECSC : Not in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

Revision Date: 02/24/2018

NFPA:	HMIS III:						
<p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard.</p>	<table border="1"> <tr> <td>HEALTH</td><td>2</td></tr> <tr> <td>FLAMMABILITY</td><td>0</td></tr> <tr> <td>PHYSICAL HAZARD</td><td>0</td></tr> </table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	2	FLAMMABILITY	0	PHYSICAL HAZARD	0
HEALTH	2						
FLAMMABILITY	0						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification

Not applicable

Full text of H-Statements

H302 Harmful if swallowed.
 H318 Causes serious eye damage.

Sources of key data used to compile the Safety Data Sheet

Ashland internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative