

# SAFETY DATA SHEET

Elution Buffer Kit, Solution 2

## Section 1. Identification

Elution Buffer Kit, Solution 2	: Product name
BU07, BU07-L	: Product code
Not available.	: Other means of identification
Professional use. Use in laboratories. Research.	: Product use
Lunaphore Technologies SA Route de Lully 5C, CH-1131 Tolochenaz, Switzerland + 41 800 84 86 89 support-tech@lunaphore.com	: Supplier's details
CHEMTREC: +972 3-763-0639 (Local)	: e-mail address of person responsible for this SDS
	: Emergency telephone number

## Section 2. Hazard identification

### Classification of the substance or mixture

Mixture : Product definition

### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315  
Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### Label elements



: Hazard pictograms

Danger

: Signal word

H315 - Causes skin irritation.

: Hazard statements

H318 - Causes serious eye damage.

### Precautionary statements

P280 - Wear eye or face protection.

: Prevention

P264 - Wash hands thoroughly after handling.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

: Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor.

Not applicable.

: Storage

Not applicable.

: Disposal

sodium dodecyl sulphate

: Hazardous ingredients

## Section 2. Hazard identification

Not applicable.

: Supplemental label elements

Not applicable.

: Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

: Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

None known.

: Other hazards which do not result in classification

## Section 3. Composition/information on ingredients

Mixture

: 3.2 Mixtures

Type	Classification	%	Identifiers	Product/ingredient name
[1]	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 <b>See Section 16 for the full text of the H statements declared above.</b>	10 - 20	REACH #: 01-2119489461-32 EC: 205-788-1 CAS: 151-21-3	sodium dodecyl sulphate
<b>Specific Conc. Limits, M-factors and ATEs</b>			<b>Product/ingredient name</b>	
ATE [Oral] = 1288 mg/kg			sodium dodecyl sulphate	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

### Description of necessary first aid measures

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

: Eye contact

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

: Inhalation

## Section 4. First aid measures

Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

: Skin contact

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

: Ingestion

### **Most important symptoms/effects, acute and delayed**

#### **Potential acute health effects**

Causes serious eye damage.

: Eye contact

No known significant effects or critical hazards.

: Inhalation

Causes skin irritation.

: Skin contact

No known significant effects or critical hazards.

: Ingestion

#### **Over-exposure signs/symptoms**

Adverse symptoms may include the following:

pain  
watering  
redness

: Eye contact

No specific data.

: Inhalation

Adverse symptoms may include the following:

pain or irritation  
redness  
blistering may occur

: Skin contact

Adverse symptoms may include the following:

stomach pains

: Ingestion

### **Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

: Notes to physician

No specific treatment.

: Specific treatments

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

: Protection of first-aiders

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### **Extinguishing media**

Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog). Use an extinguishing agent suitable for the surrounding fire.

: Suitable extinguishing media

Do not use water jet.

: Unsuitable extinguishing media

## Section 5. Fire-fighting measures

In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

: **Specific hazards arising from the chemical**

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
sulfur oxides  
metal oxide/oxides

: **Hazardous thermal decomposition products**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

: **Special protective actions for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: **Special protective equipment for fire-fighters**

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

: **For non-emergency personnel**

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

: **For emergency responders**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

: **Environmental precautions**

### Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

: **Small spill**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

: **Large spill**

## Section 7. Handling and storage

### Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

: **Protective measures**

## Section 7. Handling and storage

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

: **Advice on general occupational hygiene**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

: **Conditions for safe storage, including any incompatibilities**

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Exposure limits	Ingredient name
None.	

#### Biological exposure indices

Exposure indices	Ingredient name
None known.	

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

: **Appropriate engineering controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

: **Environmental exposure controls**

### Individual protection measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

: **Hygiene measures**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

: **Eye/face protection**

### Skin protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

: **Hand protection**

**Recommended:** Material: natural rubber (latex), neoprene rubber, nitrile rubber, PVC.

## Section 8. Exposure controls/personal protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. : **Body protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. : **Other skin protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. : **Respiratory protection**

## SECTION 9: Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

Liquid.	: <b>Physical state</b>
Clear. Colorless.	: <b>Color</b>
Not available.	: <b>Odor</b>
Not available.	: <b>Odor threshold</b>
9.1 [Conc. (% w/w): 1%]	: <b>pH</b>
Not available.	: <b>Melting point/freezing point</b>
>100°C (>212°F)	: <b>Boiling point, initial boiling point, and boiling range</b>
Not available.	: <b>Flash point</b>
Not applicable.	: <b>Flammability</b>
Not available.	: <b>Lower and upper explosion limit/flammability limit</b>
Not available.	: <b>Vapor pressure</b>
Not available.	: <b>Relative vapor density</b>
Not available.	: <b>Relative density</b>
1.01 g/cm <sup>3</sup>	: <b>Density</b>
Soluble.	: <b>Solubility in water</b>
Not applicable.	: <b>Partition coefficient: n-octanol/water</b>
Not available.	: <b>Auto-ignition temperature</b>
Not available.	: <b>Decomposition temperature</b>
Not available.	: <b>Viscosity</b>

### Particle characteristics

Not applicable. : **Median particle size**

## Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients. : **Reactivity**

Under normal conditions of storage and use, hazardous polymerization will not occur. : **Chemical stability**

Under normal conditions of storage and use, hazardous reactions will not occur. : **Possibility of hazardous reactions**

Keep away from extreme heat and oxidizing agents. : **Conditions to avoid**

## Section 10. Stability and reactivity

Reactive or incompatible with the following materials:  
Strong oxidizing materials.

: **Incompatible materials**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

: **Hazardous decomposition products**

## Section 11. Toxicological information

Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute toxicity

Exposure	Dose	Species	Result	Product/ingredient name
-	>2000 mg/kg	Rabbit	LD50 Dermal	sodium dodecyl sulphate
-	1288 mg/kg	Rat	LD50 Oral	

Based on available data, the classification criteria are not met.

: **Conclusion/Summary**

### Acute toxicity estimates

Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)	Product/ingredient name
7084.0	N/A	N/A	N/A	N/A	Elution Buffer Kit, Solution 2
1288	N/A	N/A	N/A	N/A	sodium dodecyl sulphate

### Irritation/Corrosion

Causes skin irritation.

Causes serious eye damage.

Not available.

**Conclusion/Summary**

: **Skin**

: **Eyes**

: **Respiratory**

### Sensitization

Result	Species	Route of exposure	Product/ingredient name
Not sensitizing [OECD 406]	Guinea pig	skin	sodium dodecyl sulphate

**Conclusion/Summary**

Based on available data, the classification criteria are not met.

: **Skin**

Not available.

: **Respiratory**

### Mutagenicity

Result	Experiment	Test	Product/ingredient name
Negative	Experiment: In vitro Subject: Mammalian-Animal	OECD 476	sodium dodecyl sulphate
Negative	Experiment: In vitro Subject: Mammalian-Animal	OECD 478	
Negative	Experiment: In vivo Subject: Bacteria	OECD 471	

Based on available data, the classification criteria are not met.

: **Conclusion/Summary**

### Carcinogenicity

Exposure	Dose	Species	Result	Product/ingredient name
2 years	>1125 mg/kg	Rat	Negative - Oral - NOEL [OECD 453]	sodium dodecyl sulphate

Based on available data, the classification criteria are not met.

: **Conclusion/Summary**

## Section 11. Toxicological information

### Reproductive toxicity

Exposure	Dose	Species	Development toxin	Fertility	Maternal toxicity	Product/ingredient name
-	Route of exposure unreported: NOAEL = 300 mg/kg	Rabbit	-	-	-	sodium dodecyl sulphate

Based on available data, the classification criteria are not met.

: **Conclusion/Summary**

### Teratogenicity

Not available.

: **Conclusion/Summary**

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

Not available.

: **Information on the likely routes of exposure**

### Potential acute health effects

Causes serious eye damage.

: **Eye contact**

No known significant effects or critical hazards.

: **Inhalation**

Causes skin irritation.

: **Skin contact**

No known significant effects or critical hazards.

: **Ingestion**

### Symptoms related to the physical, chemical and toxicological characteristics

Adverse symptoms may include the following:

: **Eye contact**

pain  
watering  
redness

No specific data.

: **Inhalation**

Adverse symptoms may include the following:

: **Skin contact**

pain or irritation  
redness  
blistering may occur

Adverse symptoms may include the following:

: **Ingestion**

stomach pains

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Not available.

: **Potential immediate effects**

Not available.

: **Potential delayed effects**

#### Long term exposure

Not available.

: **Potential immediate effects**

Not available.

: **Potential delayed effects**

### Potential chronic health effects



## Section 11. Toxicological information

Not available.

Based on available data, the classification criteria are not met.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

: **Conclusion/Summary**

: **General**

: **Carcinogenicity**

: **Mutagenicity**

: **Reproductive toxicity**

### Information on other hazards

#### Endocrine disrupting properties

No known significant effects or critical hazards (Human Health).

#### Other information

Not available.

## Section 12. Ecological information

### Toxicity

Exposure	Species	Result	Product/ingredient name
72 hours	Algae - <i>Desmodesmus subspicatus</i>	Acute EC50 53 mg/l	sodium dodecyl sulphate
96 hours	Algae - <i>Desmodesmus subspicatus</i>	Acute EC50 30 to 100 mg/l	
96 hours	Algae - <i>Pseudokirchneriella subcapitata</i>	Acute EC50 117 mg/l	
96 hours	Algae - <i>Pseudokirchneriella subcapitata</i>	Acute EC50 3.59 to 15.6 mg/l	
48 hours	Daphnia - <i>Daphnia magna</i>	Acute EC50 1.8 mg/l	
96 hours	Fish - <i>Brachydanio rerio</i>	Acute LC50 7.97 mg/l	
96 hours	Fish - <i>Brachydanio rerio</i>	Acute LC50 9.9 to 20.1 mg/l	
96 hours	Fish - <i>Cyprinus carpio</i>	Acute LC50 1.31 mg/l	
96 hours	Fish - <i>Lepomis macrochirus</i>	Acute LC50 4.2 to 4.8 mg/l	
96 hours	Fish - <i>Lepomis macrochirus</i>	Acute LC50 4.5 mg/l	
96 hours	Fish - <i>Lepomis macrochirus</i>	Acute LC50 4.06 to 5.75 mg/l	
96 hours	Fish - <i>Oncorhynchus mykiss</i>	Acute LC50 4.3 to 8.5 mg/l	
96 hours	Fish - <i>Oncorhynchus mykiss</i>	Acute LC50 4.62 mg/l	
96 hours	Fish - <i>Oncorhynchus mykiss</i>	Acute LC50 4.2 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 5.8 to 7.5 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 10.2 to 22.5 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 6.2 to 9.6 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 8 to 12.5 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 15 to 18.9 mg/l	
96 hours	Fish - <i>Pimephales promelas</i>	Acute LC50 22.1 to 22.8 mg/l	
96 hours	Fish - <i>Poecilia reticulata</i>	Acute LC50 13.5 to 18.3 mg/l	

## Section 12. Ecological information

96 hours	Fish - Poecilia reticulata	Acute LC50 10.8 to 16.6 mg/l	
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Based on available data, the classification criteria are not met. : **Conclusion/Summary**

### Persistence and degradability

There are no data available on the mixture itself. : **Conclusion/Summary**

Biodegradability	Photolysis	Aquatic half-life	Product/ingredient name
Readily	-	-	sodium dodecyl sulphate

### Bioaccumulative potential

Potential	BCF	LogP <sub>ow</sub>	Product/ingredient name
low	-	1.6	sodium dodecyl sulphate

### Mobility in soil

Not available. : **Soil/water partition coefficient (K<sub>oc</sub>)**

Not available. : **Mobility**

No known significant effects or critical hazards. : **Other adverse effects**

### Endocrine disrupting properties

No known significant effects or critical hazards (Environment).

## Section 13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. : **Disposal methods**

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

IATA	IMDG	UN	
Not regulated.	Not regulated.	Not regulated.	<b>UN number</b>
-	-		<b>UN proper shipping name</b>
-	-		<b>Transport hazard class(es)</b>
			<b>Label</b>
-	-	-	<b>Packing group</b>
No.	Marine Pollutant: No	No.	<b>Environmental hazards</b>

## Section 14. Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. : **Special precautions for user**

Not applicable. : **Transport in bulk according to IMO instruments**

## Section 15. Regulatory information

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

All components are listed or exempted.

: **Australia**

All components are listed or exempted.

: **Canada**

All components are listed or exempted.

: **China**

**Russian Federation inventory:** All components are listed or exempted.

: **Eurasian Economic Union**

#### **Japan inventory (CSCL):**

: **Japan**

All components are listed or exempted.

: **New Zealand**

All components are listed or exempted.

: **Philippines**

All components are listed or exempted.

: **Republic of Korea**

All components are listed or exempted.

: **Taiwan**

All components are listed or exempted.

: **Thailand**

All components are listed or exempted.

: **United States**

All components are active or exempted.

: **Viet Nam**

All components are listed or exempted.

## Section 16. Other information

### History

**04/11/2022**

: **Date of printing**

04/11/2022

: **Date of issue/Date of revision**

28/10/2021

: **Date of previous issue**

2

: **Version**

ATE = Acute Toxicity Estimate

: **Key to abbreviations**

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

## Section 16. Other information

N/A = Not available

SGG = Segregation Group

UN = United Nations

### Procedure used to derive the classification

Justification	Classification
Calculation method	SKIN CORROSION/IRRITATION - Category 2
Calculation method	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Calculation method	AQUATIC HAZARD (ACUTE) - Category 3

Not available.

: References

Indicates information that has changed from previously issued version. 

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.