# **SAFETY DATA SHEET**



1-951 Silicone Remover

Section 1. Identif	ication
Product name	: 1-951 Silicone Remover
Product type	: Liquid.
Relevant identified uses of	the substance or mixture and uses advised against
Identified uses	
Use in coatings - Cleaner.	
Supplier	
Manufacturer	: Valspar b.v. Zuiveringweg 89 8243 PE Lelystad The Netherlands tel: +31 (0)320 292200 fax: +31 (0)320 292201
Emergency telephone number	: Call: +31 (0)320 292200 (during daytime)
Supplier's details	: DBNZ Coatings Limited 6 Killarney Lane Hamilton 3204 NEW ZEALAND T: +64 7847 0944 E: info@dbnz.co.nz
Emergency telephone number (with hours of	: New Zealand Poisons Information Centre: 0800 764766 (24 hrs)
operation)	CALL: +(64)-98010034 (Hours of operation - 24 hours)
e-mail address of person responsible for this SDS	: msds@de-beer.com
Section 2. Hazard	Is identification
HSNO Classification	: FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

ASPIRATION HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

GHS label elements		
Signal word	:	Danger
Hazard statements	:	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Precautionary statements		
Prevention	:	Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapour.

### Section 2. Hazards identification

Response	: Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Storage	: Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Symbol	

Other hazards which do not : None known. result in classification

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture		
Ingredient name	% (w/w)	CAS number
Naphtha (petroleum), hydrotreated light Naphtha (petroleum), hydrotreated heavy Isopropyl alcohol nonane	53.774 38.752 6.005 1.1985	64742-49-0 64742-48-9 67-63-0 111-84-2

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 and hence require reporting in this section.

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

### Section 4. First aid measures

Description of necessary first aid measures			
Inhalation :	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. Get medical attention. If necessary, call a poison center or physician. 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 :	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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.		
Skin contact :	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.		
Eye contact :	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. Get medical attention if irritation occurs.		
Most important symptoms/effe	cts, acute and delayed		
Potential acute health effects			
Inhalation :	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.		

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### Section 4. First aid measures

Ingestion	1	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
Skin contact	1	No known significant effects or critical hazards.
Eye contact	1	No known significant effects or critical hazards.
Over-exposure signs/sympt	on	<u>15</u>
Inhalation	:	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion	1	Adverse symptoms may include the following: nausea or vomiting
Skin	1	No specific data.
Eyes	1	No specific data.
Indication of immediate med	са	l attention and special treatment needed, if necessary
Specific treatments	1	Not available.
Notes to physician	1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders	:	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.
See toxicological information	n (S	Section 11)

# Section 5. Firefighting measures

#### **Extinguishing media** Suitable : Use dry chemical, CO2, water spray (fog) or foam. Not suitable : Do not use water jet. Specific hazards arising : Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion from the chemical hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Hazardous thermal : Decomposition products may include the following materials: carbon dioxide decomposition products carbon monoxide : 3YE Hazchem code Special precautions for fire-: Promptly isolate the scene by removing all persons from the vicinity of the incident if fighters there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. **Special protective** Fire-fighters should wear appropriate protective equipment and self-contained 2 breathing apparatus (SCBA) with a full face-piece operated in positive pressure equipment for fire-fighters mode.

## Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	If specialised 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".
Environmental precautions	:	Avoid dispersal of spilt 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. Collect spillage.
Methods and material for con	<u>nta</u>	inment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the 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 spill product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

Precautions for safe handling	: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

#### Control parameters

#### **Occupational exposure limits**

Ingredient name	Exposure limits		
Naphtha (petroleum), hydrotreated heavy	ACGIH TLV (United States, 2002).		
	TWA: 525 mg/m <sup>3</sup> 8 hours.		
Isopropyl alcohol	NZ HSWA 2015 (New Zealand, 2/2013).		
	WES-STEL: 1230 mg/m <sup>3</sup> 15 minutes.		
	WES-STEL: 500 ppm 15 minutes.		
	WES-TWA: 983 mg/m <sup>3</sup> 8 hours.		
	WES-TWA: 400 ppm 8 hours.		
nonane	NZ HSWA 2015 (New Zealand, 11/2018).		
	WES-TWA: 200 ppm 8 hours.		
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# Section 8. Exposure controls/personal protection

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	WES-TWA: 1050 mg/m <sup>3</sup> 8 hours.
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering control also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensur 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.
Individual protection measu	<u>es</u>
Hygiene 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.
Respiratory 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. Recommended: EN 405:2001 + A1:2009 organic vapour (Type A) and particulate filter FFA2P3 R D
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicate 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. > 8 hours (breakthrough time): Recommended EN 374 nitrile rubber >= 0.7 mm < 1 hour (breakthrough time): Conditionally suitable materials for protective gloves; EN 374: Nitrile rubber - NBR (>= 0.35 mm). Only suitable as splash protection. Onl suitable for brief exposure. In the event of contamination, change protective gloves immediately.
Eye protection	: 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: safety glasses with side-shields. Recommended: chemical splash goggles and/or face shield.
Skin 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.

# Section 9. Physical and chemical properties

Version : 1		Date of issue/Date of revision :	6/4/2022
Lower and upper explosive (flammable) limits	: Lower: 1.2% Upper: 8.3%		
Flammability (solid, gas)	: Not available.		
Evaporation rate	: Not available.		
Flash point	: Closed cup: 9°C (48.2°F)		
Boiling point	: >100°C (>212°F)		
Melting point	: Not available.		
рН	: Not applicable.		
Odour threshold	: Not available.		
Odour	: Not available.		
Colour	: Colourless.		
Physical state	: Liquid.		
<u>Appearance</u>			

# Section 9. Physical and chemical properties

Vapour pressure	Not available.	
Vapour density	3.7 [Air = 1]	
Relative density	0.76	
Solubility	Insoluble in the following materials: cold water and hot wate	⊧r.
Solubility in water	Not available.	
Partition coefficient: n- octanol/water	Not applicable.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	Kinematic (40°C (104°F)): 6 mm²/s (6 cSt)	
Flow time (ISO 2431)	Not available.	
Aerosol product		
Type of aerosol	Not applicable.	
Heat of combustion	Not available.	
Ignition distance	Not applicable.	
Enclosed space ignition - Time equivalent	Not applicable.	
Enclosed space ignition - Deflagration density	Not applicable.	
Flame height	Not applicable.	
Flame duration	Not applicable.	

# Section 10. Stability and reactivity

Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials
Hazardous decomposition products	<ul> <li>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</li> </ul>

# Section 11. Toxicological information

### Information on likely routes of exposure

Version : 1	Date of issue/Date of revision : 6/4/202
Skin contact	: No specific data.
Ingestion	: Adverse symptoms may include the following: nausea or vomiting
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	he physical, chemical and toxicological characteristics
Eye contact	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	<ul> <li>Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.</li> </ul>
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
information on likely to	Jules of exposure

## Section 11. Toxicological information

Eye contact

: No specific data.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Naphtha (petroleum), hydrotreated light	LC50 Inhalation Dusts and mists	Rat	>23.3 mg/l	4 hours
, ,	LD50 Dermal	Rabbit	>2800 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Naphtha (petroleum), hydrotreated heavy	LC50 Inhalation Vapour	Rat	5000 mg/m³	4 hours
5	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Isopropyl alcohol	LD50 Dermal	Rabbit	13900 mg/kg	-
	LD50 Oral	Rat	5840 mg/kg	-
nonane	LC50 Inhalation Gas.	Rat	3200 ppm	4 hours
	LC50 Inhalation Vapour	Rat	17000 mg/m <sup>3</sup>	4 hours

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
nonane	Skin - Mild irritant	Pig	-	24 hours 250 microliters	-
	Skin - Moderate irritant	Rat	-	96 hours 300 microliters	-

#### **Sensitisation**

Not available.

#### Potential chronic health effects

General	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.
Chronic toxicity	
Not available.	

### **Carcinogenicity**

Not available.

### **Mutagenicity**

Not available.

#### Teratogenicity Not available.

**Reproductive toxicity** 

### Section 11. Toxicological information

#### Not available.

#### Specific target organ toxicity

Not available.

#### **Aspiration hazard**

Name
Naphtha (petroleum), hydrotreated light Naphtha (petroleum), hydrotreated heavy

#### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Inhalation (gases)	266999.08 ppm
Inhalation (vapours)	1418.43 mg/l

### Section 12. Ecological information

#### **Ecotoxicity**

: This material is toxic to aquatic life with long lasting effects.

#### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Naphtha (petroleum), hydrotreated light	Acute EC50 10 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 4.6 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 3 to 10 mg/l	Fish - Oncorhynchus mykiss	96 hours
Isopropyl alcohol	Acute EC50 >100 mg/l	Algae - Scenedesmus subspicatus	72 hours
	Acute LC50 9640 mg/l	Fish - Pimephales promelas	96 hours

#### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Naphtha (petroleum), hydrotreated heavy	-	80 % - Readily - 28 da	ays -	-
Product/ingredient name	Aquatic half-li	fe F	Photolysis	Biodegradability
Naphtha (petroleum), hydrotreated heavy Isopropyl alcohol	-	-		Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Naphtha (petroleum), hydrotreated light	2.2 to 5.2	10 to 2500	high
Isopropyl alcohol nonane	0.05 5.65		low low

#### Mobility in soil

Soil/water partition coefficient (Koc) Other adverse effects

- : Not available.
- : No known significant effects or critical hazards.

### Section 13. Disposal considerations

#### Disposal methods

: The generation of waste should be avoided or minimised wherever possible. 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 nonrecyclable 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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
New Zealand Class	UN1263	PAINT RELATED MATERIAL	3	II	PARAMETER 22
ADG Class	UN1263	PAINT RELATED MATERIAL	3	11	
UN Class	UN1263	PAINT RELATED MATERIAL	3	II	
ADR/RID Class	UN1263	PAINT RELATED MATERIAL	3	II	
IATA Class	UN1263	Paint related material	3	II	
IMDG Class	UN1263	PAINT RELATED MATERIAL	3	11	

Additional information **New Zealand Class** : The marine pollutant mark is not required when transported by road or rail. Hazchem code 3YE Special provisions 163 **ADG Class** : Hazchem code •3YE Special provisions 163, 367 **UN Class** Special provisions 163, 367 5 **ADR/RID Class** The environmentally hazardous substance mark is not required when transported in 2 sizes of  $\leq 5 L$  or  $\leq 5 kg$ . Hazard identification number 33 Limited quantity 5 L Special provisions 163, 640C, 650, 367 Tunnel code (D/E)

## Section 14. Transport information

IATA Class	<ul> <li>The environmentally hazardous substance mark may appear if required by other transportation regulations.</li> </ul>
	Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 353. Cargo Aircraft Only: 60 L. Packaging instructions: 364. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y341. Special provisions A3, A72, A192
IMDG Class	<ul> <li>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</li> <li><u>Emergency schedules</u> F-E, _S-E_</li> <li><u>Special provisions</u> 163, 367</li> </ul>
PG* : Packing group	

# Transport in bulk according : Not available. to IMO instruments

### Section 15. Regulatory information

HSNO Approval Number	: HSR002589
HSNO Group Standard	: Cleaning Products
HSNO Classification	<ul> <li>FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2</li> </ul>

#### International regulations

Not listed.

#### **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**

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined
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	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

### Section 16. Other information

<u>History</u>	
Date of printing	: 6/4/2022
Date of issue/Date of revision	: 6/4/2022
Date of previous issue	: 4/12/2022
Version	: 1
Key to abbreviations	<ul> <li>ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate 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) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations</li> </ul>
References	: 2004/42/IIB(a)(850)759

✓ 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 abovenamed 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.