### SAFETY DATA SHEET



# Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

**MULTIS ZS 000** 

**SDS no.** 30568

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : MULTIS ZS 000

Product code : 30568

**Product description**: Not available.

Product type : Solid.

Other means of : Not available.

identification

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

#### **Identified uses**

Not applicable.

### **Uses advised against**

Not applicable.

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

TotalEnergies Lubrifiants 562 Avenue du Parc de L'ile 92029 Nanterre Cedex FRANCE Tél: +33 (0)1 41 35 40 00

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#### 1.4 Emergency telephone number

### **National advisory body/Poison Centre**

Telephone number : National Poisons Information Service (NPIS): 111

**Supplier** 

**Telephone number**: Emergency telephone: +44 1235 239670

Hours of operation : Edit the content of sentence <GB Telephone Number - Supplier - Hours of

operation> to define this output

Information limitations : Edit the content of sentence <GB Telephone Number - Supplier - Information

limitations> to define this output

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### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

**Product definition**: Mixture

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

Not classified.

The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

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

#### 2.2 Label elements

Signal word : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements** 

Prevention : Mot applicable.

Response : Mot applicable.

Storage : Mot applicable.

Disposal : Mot applicable.

Supplemental label

elements

: Safety data sheet available on request.

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

: Not applicable.

#### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration >= 0,1 %.

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

Other hazards which do not result in classification

: None known.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Туре
4,4'-methylene bis (dibutyldithiocarbamate)	REACH #: 01-2119969655-20 EC: 233-593-1 CAS: 10254-57-6	≤3	Aquatic Chronic 4, H413	[1]
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	REACH #: 01-2119492627-25 EC: 271-529-4 CAS: 68584-23-6	≤0.3	Skin Sens. 1B, H317	[1]

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SECTION 3: Composition/information on ingredients					
			See Section 16 for the full text of the H statements declared above.		

**Additional information**: The product is made from synthetic base oils

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**

Substance classified with a health or environmental hazard

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

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be

kept under medical surveillance for 48 hours.

Skin contact : Fush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion : ₩ash out mouth with water. If material has been swallowed and the exposed

person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms

occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

### Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**: No specific treatment.

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### **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing

media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing** 

media

: Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : No specific fire or explosion hazard.

**Hazardous combustion** products

: carbon monoxide carbon dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides

#### 5.3 Advice for firefighters

**Special protective actions** for fire-fighters

: Fromptly 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** equipment 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

### SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 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 spilt material. Put on appropriate personal protective equipment.

For emergency responders: Fspecialised 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".

**6.2 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).

### 6.3 Methods and material for containment and cleaning up

**Small spill** 

: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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### **SECTION 6: Accidental release measures**

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- 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.

### 7.2 Conditions for safe storage, including any incompatibilities

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. 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.

### 7.3 Specific end use(s)

Recommendations : Not available. **Industrial sector specific** : Not available. solutions

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

### Occupational exposure limits

No exposure limit value known.

Reportable hazardous constituent(s) contained in UVCB- and/or multi-constituent substance(s) complying with the classification criteria and/or with an exposure limit (OEL)

No exposure limit value known.

procedures

Recommended monitoring: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Advisory OEL DNELs/DMELs**  : No known significant effects or critical hazards.

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### **SECTION 8: Exposure controls/personal protection**

Product/substance	Type	Exposure	Value	Population	Effects
<b>⊮</b> enzenesulfonic acid, C10-16-alkyl	DNEL	Long term Oral	0.8333 mg/	General	Systemic
derivs., calcium salts	DNEL	Long term Dermal	kg bw/day 1.667 mg/ kg bw/day	population General population	Systemic
	DNEL	Long term Dermal	3.33 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	11.75 mg/ m³	Workers	Systemic
	DNEL	Long term Inhalation	2.9 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	1.03 mg/ cm <sup>2</sup>	Workers	Local
	DNEL	Long term Dermal	0.513 mg/ cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	0.513 mg/ cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	1.03 mg/ cm <sup>2</sup>	Workers	Local
	DNEL	Long term Inhalation	2.9 mg/m <sup>3</sup>	General population	Systemic

### **PNECs**

Product/substance	Compartment Detail	Value	Method Detail
enzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Fresh water	1 mg/l	-
	Marine water	1 mg/l	-
	Fresh water sediment	226000000 mg/	-
		kg dwt	
	Marine water sediment	226000000 mg/	-
		kg dwt	
	Soil	868700000 mg/	-
		kg dwt	
	Sewage Treatment	100 mg/l	-
	Plant		
	Secondary Poisoning	16.667 mg/kg dwt	-

### 8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### **Individual protection measures**

**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.

### **Eye/face 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.EN 166

### **Skin protection**

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### SECTION 8: Exposure controls/personal protection

**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 indicates this is necessary.

Hydrocarbon-proof gloves

nitrile rubber Fluorinated rubber

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

In case of prolonged contact with the product, it is recommended to wear gloves complying with ISO 21420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency

**Body 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.

Other skin protection

: Repropriate 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.

**Respiratory protection** 

None under normal use conditions. If these are not sufficient to maintain exposure below the OEL, suitable respiratory protection must be worn (Type A/P1).

**Environmental exposure** 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.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

### 9.1 Information on basic physical and chemical properties

**Appearance** 

**Physical state** : Solid. Colour : Green.

**Odour** Characteristic. **Odour threshold** Not available. Melting point/freezing point : >180°C

Initial boiling point and

boiling range

pΗ

: Not applicable.

Flammability (solid, gas) : Yes.

Upper/lower flammability or explosive limits

: Not applicable.

Flash point

: Open cup: Not applicable.

250°C (482°F) **Auto-ignition temperature** : >180°C

**Decomposition temperature** 

Product is non-soluble (in water). : Not applicable.

: Kinematic (40°C): Not applicable. **Viscosity** 

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### **SECTION 9: Physical and chemical properties**

Solubility(ies)

MediaResultWaterNot soluble

Miscible with water : №.

Partition coefficient: n-octanol/ : ▶3.5

water

**Vapour pressure** : Not applicable.

Relative density : 0.9

**Density** : **0**.9 g/cm³ [20°C (68°F)]

**Vapour density** : Not applicable.

**Particle characteristics** 

Median particle size : Not available.

#### 9.2 Other information

No other relevant physical and chemical parameters for the safe use of the product

### SECTION 10: Stability and reactivity

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

**10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : Strong oxidising agents

10.6 Hazardous decomposition products

 earbon monoxide carbon dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides

### **SECTION 11: Toxicological information**

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

<u>Acute toxicity</u>

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# **SECTION 11: Toxicological information**

Product/substance	Result	Species	Dose	Exposure	Test
//,4'-methylene bis (dibutyldithiocarbamate)	LD50 Dermal	Rabbit	2000 mg/kg	-	-
,	LD50 Oral	Rat	16000 mg/kg	-	-
Benzenesulfonic acid,	LC50 Inhalation Dusts	Rat - Male,	>1.9 mg/l	4 hours	EPA OPP
C10-16-alkyl derivs.,	and mists	Female			81-3 Acute
calcium salts					Inhalation
					Toxicity
	LD50 Dermal	Rabbit -	>4000 mg/kg	-	OECD
		Male, Female			
	LD50 Oral	Rat - Male,	>5000 mg/kg	-	OECD 401
		Female			Read across

## Conclusion/Summary

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

### **Acute toxicity estimates**

Product/substance	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
₩,4'-methylene bis(dibutyldithiocarbamate)	16000	N/A	N/A	N/A	N/A

### **Irritation/Corrosion**

Product/substance	Result	Species	Score	Exposure	Test
Penzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Eyes - Cornea opacity	Rabbit	0	-	EPA
Saits	Skin - Oedema	Rabbit	0.3	4 hours	EPA OPPTS 870.2500 Acute Dermal Irritation
	Skin - Primary dermal irritation index (PDII)	Rabbit	0.5	4 hours	OECD

### **Conclusion/Summary**

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

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

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

### **Sensitisation**

Product/substance	Route of exposure	Species	Result
<b>B</b> enzenesulfonic acid, C10-16-alkyl derivs., calcium salts	skin	Human	Sensitising

### Conclusion/Summary

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

### **Mutagenicity**

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**SECTION 11: Toxicological information** 

Product/substance	Test	Experiment	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	OECD 471	Experiment: In vitro Subject: Bacteria	Negative
	OECD 471	Experiment: In vitro Subject: Bacteria	Negative
	OECD 476	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 474	Experiment: In vivo Subject: Mammalian-Animal Cell: Somatic	Negative
	-	Experiment: In vivo Subject: Mammalian-Animal	Negative

**Conclusion/Summary** 

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

**Carcinogenicity** 

**Conclusion/Summary** 

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

Reproductive toxicity

Product/substance	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
<b>B</b> enzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Negative	Negative	Negative	Rat - Male, Female	Oral	-

**Conclusion/Summary** 

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

**Teratogenicity** 

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

Not available.

**Conclusion/Summary** 

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

**Aspiration hazard** 

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Information on likely routes

of exposure

: Not available.

Potential acute health effects

Eye contact : № known significant effects or critical hazards.

Inhalation : № known significant effects or critical hazards.

Skin contact : № known significant effects or critical hazards.

Ingestion : № known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

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### **SECTION 11: Toxicological information**

Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

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

Short term exposure

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

**Long term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

### Potential chronic health effects

Product/substance	Result	Species	Dose	Exposure
Penzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Sub-acute NOAEL Dermal	Rat - Male, Female	>1000 mg/kg	-
cano	Sub-acute NOAEL Oral	Rat - Male, Female	500 mg/kg	-
	Sub-acute NOAEL Inhalation Vapour	Rat - Male, Female	50 mg/m³	28 days

**Conclusion/Summary**: Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

### 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

#### 11.2.2 Other information

Not available.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

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### **SECTION 12: Ecological information**

Product/substance	Result	Species	Exposure	Test
√,4'-methylene bis  (dibutyldithiocarbamate)	Acute EC50 1000 mg/l	Micro-organism	3 hours	-
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Acute EC50 >1000 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201
	Acute EC50 >1000 mg/l	Crustaceans - Daphnia magna	48 hours	OECD 202
	Acute LC50 >1000 mg/l	Fish - Cyprinodon variegatus	96 hours	OECD 203
	Chronic EC10 >1000 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	OECD 201

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

Product/substance	Test	Result	Dose	Inoculum
Eenzenesulfonic acid, C10-16-alkyl derivs., calcium salts	OECD 301D	0 % - Not readily - 28 days	-	Activated sludge

**Conclusion/Summary** : Not available.

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	-	-	Not readily

#### 12.3 Bioaccumulative potential

Product/substance	LogPow	BCF	Potential
MULTIS ZS 000	>3.5 8.42	-	low
4,4'-methylene bis (dibutyldithiocarbamate)	0.42	10.86	low
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	22	-	high

### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

**Mobility** 

: Not available.

**Mobility in soil** 

: Given its physical and chemical characteristics, the product has no soil mobility. The product is insoluble and floats on water. Loss by evaporation is limited

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

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### **SECTION 12: Ecological information**

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### **Product**

**Methods of disposal** 

: 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 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.

**Hazardous waste** 

: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used The following Waste Codes are only suggestions: 12 01 12\*

**Packaging** 

**Methods of disposal** 

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ICAO/IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-

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**SECTION 14: Transport information** No. 14.5 No. No. No. **Environmental** hazards

instruments

14.6 Special precautions for : 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.

14.7 Maritime transport in bulk according to IMO

: Not available.

### SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB) /REACH

Annex XIV - List of substances subject to authorisation

**Annex XIV** 

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

### **Ozone depleting substances**

Not listed.

### **Prior Informed Consent (PIC)**

Not listed.

### **Persistent Organic Pollutants**

Not listed.

: Not applicable. **Annex XVII - Restrictions** 

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

### **Seveso Directive**

his product is not controlled under the Seveso Directive.

**EU regulations** 

**Industrial emissions** 

: Not listed

(integrated pollution prevention and control) -

: Not listed **Industrial emissions** 

(integrated pollution prevention and control) -

Water

### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

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### **SECTION 15: Regulatory information**

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 inventory (AIIC) : All components are listed or exempted.

Canada inventory : At least one component is not listed.

China inventory (IECSC) : MI components are listed, exempted, or notified.

**Europe inventory** : MI components are listed or exempted.

Japan inventory : Japan inventory (CSCL): At least one component is not listed.

**Japan inventory (ISHL)**: At least one component is not listed.

New Zealand Inventory of Chemicals

(NZIoC)

: All components are listed or exempted.

Philippines inventory (PICCS)
 Korea inventory (KECI)
 At least one component is not listed.
 At least one component is not listed.
 All components are listed or exempted.

(TCSI)

Not determined.Not determined.

**United States inventory (TSCA 8b)** 

: All components are listed or exempted.

Vietnam inventory

Thailand inventory

**Turkey inventory** 

: Not determined.

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments are still required.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DNEL = Derived No Effect Level
DMEL = Derived Minimal Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative PNEC = Predicted No Effect Concentration

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### **SECTION 16: Other information**

LC50 = Median lethal concentration

LD50 = Median lethal dose

OEL = Occupational Exposure Limit VOC = Volatile Organic Compound

UVCB Substance of unknown or Variable composition, Complex reaction products

or Biological material

NOEC No Observed Effect Concentration

QSAR = Quantitative Structure—Activity Relationship

### Procedure used to derive the classification

Not classified.

#### Full text of abbreviated H statements

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

#### **Full text of classifications**

Aguatic Chronic 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4

Skin Sens. 1B SKIN SENSITISATION - Category 1B

: 2023/01/24 **Date of printing** Date of issue/ Date of : 2023/01/24

revision

Date of previous issue : 2021/04/12

**Version** : 2

### **Notice to reader**

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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.

Date of revision : Version: 2 United Kingdom (UK) **ENGLISH** 16/16