

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: UK REACH Regulations (SI 2019/758 as amended)

Revision date 10/10/2023

#### Revision Number 11

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

1.1. Product identifier	
Product Code(s)	PL.7054, PL.7055
Product Name	Lactophenol Cotton Blue
Pure substance/mixture	Mixture
Contains glycerol; phenol; lactic acid	
1.2. Relevant identified uses of the s	substance or mixture and uses advised against
Recommended use	Laboratory chemicals
Uses advised against	No information available
1.3. Details of the supplier of the sat	ety data sheet
<u>Importer</u> n/a	Manufacturer Pro-Lab Diagnostics 3 Bassendale Road Bromborough Wirral Merseyside CH62 3QL, U.K.
For further information, please contact	_
E-mail address	uksupport@pro-lab.co.uk
1.4. Emergency telephone number	
Emergency Telephone	+44 (0) 151 353 1613

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Acute toxicity - Inhalation (Gases)	Category 3 - (H331)
Acute toxicity - Inhalation (Vapours)	Category 3 - (H331)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Germ cell mutagenicity	Category 2 - (H341)
Specific target organ toxicity — repeated exposure	Category 2 - (H373)

Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

#### 2.2. Label elements

Contains glycerol; phenol; lactic acid



Signal word Danger

#### Hazard statements

H302 - Harmful if swallowed

- H312 Harmful in contact with skin
- H314 Causes severe skin burns and eye damage
- H331 Toxic if inhaled
- H332 Harmful if inhaled
- H341 Suspected of causing genetic defects
- H373 May cause damage to organs through prolonged or repeated exposure
- H410 Very toxic to aquatic life with long lasting effects

#### **Precautionary statements**

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

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

- P310 Immediately call a POISON CENTER or doctor
- P321 Specific treatment (see medical advice on this label)
- P391 Collect spillage
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed

#### Additional information

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

#### 2.3. Other hazards

No information available.

# SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	Weight-%	EC No (EU	UK REACH registration	Classification according	Specific	M-Factor	M-Factor
		Index No)	number	to GB CLP (SI	concentration		(long-term)
				2020/1567 as	limit (SCL)		

				amended)			
glycerol	25 -	200-289-5	-	-	-	-	-
56-81-5	<50%						
phenol	10 -	203-632-7	-	Acute Tox. 3 (H301)	Eye Irrit. 2 ::	-	-
108-95-2	<25%			Acute Tox. 3 (H311)	1%<=C<3%		
				· · · · · ·	Skin Corr. 1B ::		
				Skin Corr. 1B (H314)	C>=3%		
				Muta. 2 (H341)	Skin Irrit. 2 ::		
				STOT RE 2 (H373)	1%<=C<3%		
lactic acid	10 -	200-018-0	-	-	-	-	-
50-21-5	<25%						

#### Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK REACH Article 59)

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical attention. Immediate medical attention is required.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapour or mist. Use personal protective equipment as required. See section 8 for more information.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms	Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.
4.3. Indication of any immediate me	edical attention and special treatment needed
Note to doctors	Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.			
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.			
5.2. Special hazards arising from the substance or mixture				
Specific hazards arising from the chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapours.			
5.3. Advice for firefighters				

Special protective equipment and<br/>precautions for fire-fightersFirefighters should wear self-contained breathing apparatus and full firefighting turnout gear.<br/>Use personal protection equipment.

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

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

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Attention! Corrosive material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not breathe vapour or mist. Avoid breathing vapours or mists.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.
6.3. Methods and material for conta	inment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes. Do not breathe vapour or mist. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do General hygiene considerations not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not breathe vapour or mist. 7.2. Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach **Storage Conditions** of children. Store locked up. Protect from moisture. Store away from other materials. 7.3. Specific end use(s) The information required is contained in this Safety Data Sheet. **Risk Management Methods (RMM)** 

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### **Exposure Limits**

Chemical name	United Kingdom	
glycerol	TWA: 10 mg/m <sup>3</sup>	
56-81-5	STEL: 30 mg/m <sup>3</sup>	
phenol	TWA: 2 ppm	
108-95-2	TWA: 7.8 mg/m <sup>3</sup>	
	STEL: 4 ppm	
	STEL: 16 mg/m <sup>3</sup>	
	Sk*	

**Biological occupational exposure** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

#### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
glycerol 56-81-5			56 mg/m³ [5] [6]
phenol		1.23 mg/kg bw/day [4] [6]	8 mg/m³ [4] [6]
108-95-2			16 mg/m³ [5] [7]
lactic acid			592 mg/m³ [5] [6]
50-21-5			592 mg/m <sup>3</sup> [5] [7]

Notes

[4] [5]	Systemic health effects. Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
glycerol 56-81-5	229 mg/kg bw/day [4] [6]		33 mg/m³ [5] [6]
phenol 108-95-2	0.4 mg/kg bw/day [4] [6]		1.32 mg/m <sup>3</sup> [4] [6]
lactic acid 50-21-5			296 mg/m³ [5] [7]

Notes

10103	
[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

#### Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
glycerol 56-81-5	0.885 mg/L	8.85 mg/L	0.0885 mg/L	(	
phenol 108-95-2	0.0077 mg/L	0.031 mg/L	0.00077 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
glycerol 56-81-5	3.3 mg/kg sediment dw	0.33 mg/kg sediment dw	1000 mg/L	0.141 mg/kg soil dw	
phenol 108-95-2	0.0915 mg/kg sediment dw	0.00915 mg/kg sediment dw	2.1 mg/L	0.136 mg/kg soil dw	

#### 8.2. Exposure controls

Engineering controls	No information available.	
Personal protective equipment		
Eye/face protection	Tight sealing safety goggles. Face protection shield.	
Hand protection	Wear suitable gloves. Impervious gloves.	
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do	

not breathe vapour or mist.

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

9.1. Information on basic physical a	ind chemical properties		
Physical state	Liquid		
Appearance	Liquid		
Colour	blue		
Odour	Alcoholic.		
Odour threshold	No information available		
Property	Values	Remarks	
Melting point / freezing point	No data available	None known	
Initial boiling point and boiling rang	eNo data available	None known	
Flammability	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability or explosive	No data available		
limits			
Lower flammability or explosive	No data available		
limits			
Flash point	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature		None known	
рН	No data available	None known	
pH (as aqueous solution)	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Water solubility	Soluble in water	None known	
Solubility(ies)	No data available	None known	
Partition coefficient	No data available	None known	
Vapour pressure	No data available	None known	
Relative density	No data available	None known	
Bulk density	No data available		
Liquid Density	No data available		
Relative vapour density	No data available	None known	
Particle characteristics			
Particle Size	No information available		
Particle Size Distribution	No information available		
Explosive properties	No information available		
Oxidising properties	No information available		

9.2. Other information

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity

No information available.

10.2. Chemical stability

Stability

Stable under normal conditions.

#### Explosion data

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions			
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	Exposure to air or moisture over prolonged periods. Excessive heat.		
10.5. Incompatible materials			
Incompatible materials	Acids. Bases. Oxidising agent.		
10.6. Hazardous decomposition products			

Hazardous decomposition products None known based on information supplied.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

#### **Product Information**

Inhalation	Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. Toxic by inhalation. Harmful by inhalation.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Corrosive to the eyes and may cause severe damage including blindness. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns. May be absorbed through the skin in harmful amounts. Harmful in contact with skin.
Ingestion	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	Redness. Burning. May cause blindness. Coughing and/ or wheezing. Difficulty in breathing.
Acute toxicity	
Numerical measures of toxicity	
The following values are calculated ATEmix (oral) ATEmix (dermal) ATEmix (inhalation-gas) ATEmix (inhalation-dust/mist)	d based on chapter 3.1 of the GHS document 478.90 mg/kg 1,239.70 mg/kg 1,400.00 ppm 1.75 mg/l

#### ATEmix (inhalation-vapour) 6.00 mg/l

#### Unknown acute toxicity

60 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

60 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
glycerol	= 12600 mg/kg (Rat)	>10 g/kg (Rabbit)	> 2.75 mg/L (Rat)4 h
phenol	= 340 mg/kg (Rat)	= 630 mg/kg (Rabbit)	-
lactic acid	= 3543 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 7.94 mg/L (Rat)4 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes severe skin burns and eye damage.		
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye damage. Causes burns.		
Respiratory or skin sensitisation	No information available.		
Germ cell mutagenicity	Contains a known or suspected mutagen. Classification based on data available for ingredients. Suspected of causing genetic defects.		
The table below indicates ingredients	above the cut-off threshold conside	ered as relevant which are listed as mutagenic.	
Chemical	name	United Kingdom	
phen	ol	Muta. 2	
Carcinogenicity	No information available.		

- Reproductive toxicity No information available.
- STOT single exposureNo information available.STOT repeated exposureMay cause damage to organs through prolonged or repeated exposure.Aspiration hazardNo information available.Other adverse effectsNo information available.

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

#### Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ducaral		LC50: 51 - 57mL/L (96h,	microorganisms	
glycerol	-		-	-
	<b>ECE0:</b> 40.40mmm/l (00h	Oncorhynchus mykiss)		
phenol	EC50: =46.42mg/L (96h, Pseudokirchneriella	LC50: 11.9 - 50.5mg/L	-	EC50: 4.24 - 10.7mg/L
		(96h, Pimephales		(48h, Daphnia magna)
	subcapitata) EC50: 0.0188 -	promelas) LC50: 20.5 - 25.6mg/L		EC50: 10.2 - 15.5mg/L (48h, Daphnia magna)
	0.1044mg/L (96h,	(96h, Pimephales		(4011, Daprinia magna)
	Pseudokirchneriella	promelas)		
	subcapitata)	LC50: =32mg/L (96h,		
	EC50: 187 - 279mg/L	Pimephales promelas)		
	(72h, Desmodesmus	LC50: 5.449 - 6.789mg/L		
	subspicatus)	(96h, Oncorhynchus		
	casepicatae)	mykiss)		
		LC50: 7.5 - 14mg/L (96h,		
		Oncorhynchus mykiss)		
		LC50: 4.23 - 7.49mg/L		
		(96h, Oncorhynchus		
		mykiss)		
		LC50: 5.0 - 12.0mg/L		
		(96h, Oncorhynchus		
		mykiss)		
		LC50: =13.5mg/L (96h,		
		Lepomis macrochirus)		
		LC50: 11.9 - 25.3mg/L		
		(96h, Lepomis		
		macrochirus)		
		LC50: =11.5mg/L (96h,		
		Lepomis macrochirus)		
		LC50: 34.09 - 47.64mg/L		
		(96h, Poecilia reticulata)		
		LC50: =31mg/L (96h,		
		Poecilia reticulata)		
		LC50: =27.8mg/L (96h,		
		Brachydanio rerio)		
		LC50: =0.00175mg/L (96h, Cyprinus carpio)		
		(960, Cypfinus carpio) LC50: 33.9 - 43.3mg/L		
		(96h, Oryzias latipes)		
		LC50: 23.4 - 36.6mg/L		
		(96h, Oryzias latipes)		

12.2. Persistence and degradability

Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

#### Bioaccumulation

#### **Component Information**

Chemical name	Partition coefficient
glycerol	-1.75
phenol	1.47
lactic acid	-0.54

#### 12.4. Mobility in soil

#### Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

No information available.

Chemical name	PBT and vPvB assessment
glycerol	The substance is not PBT / vPvB
phenol	The substance is not PBT / vPvB
lactic acid	The substance is not PBT / vPvB

#### 12.6. Endocrine disrupting properties

No information available.

# SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

# **SECTION 14: Transport information**

IA'	ТΑ

<ul> <li>14.1 UN number or ID number</li> <li>14.2 UN proper shipping name</li> <li>14.3 Transport hazard class(es)</li> <li>14.4 Packing group Description</li> <li>14.5 Environmental hazards</li> <li>14.6 Special precautions for user Special Provisions ERG Code</li> </ul>	UN3267 Corrosive liquid, basic, organic, n.o.s. (phenol) 8 II UN3267, Corrosive liquid, basic, organic, n.o.s. (phenol), 8, II Not applicable A3, A803 8L
IMDG14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing group Description14.5Environmental hazards14.6Special precautions for user Special Provisions EmS-No14.7Maritime transport in bulk according to IMO instruments	UN3267 Corrosive liquid, basic, organic, n.o.s. (phenol) 8 II UN3267, Corrosive liquid, basic, organic, n.o.s., 8, II Not applicable 274 F-A, S-B No information available
<u>RID</u> 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group Description	UN3267 Corrosive liquid, basic, organic, n.o.s. (phenol) 8 II UN3267, Corrosive liquid, basic, organic, n.o.s. (phenol), 8, II

14.5 Environmental hazards 14.6 Special precautions for user	Not applicable
Special Provisions Classification code	274 C7
Classification code	01
<u>ADR</u>	
14.1 UN number or ID number	UN3267
14.2 UN proper shipping name	Corrosive liquid, basic, organic, n.o.s. (phenol)
14.3 Transport hazard class(es)	8
14.4 Packing group	ll
Description	UN3267, Corrosive liquid, basic, organic, n.o.s. (phenol), 8, II, (E)
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274
Classification code	C7
Tunnel restriction code	(E)

# SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

#### Persistent Organic Pollutants

Not applicable

#### **Export Notification requirements**

Not applicable

#### Dangerous substance category per COMAH Regulations 2015 (as amended)

H2 - ACUTE TOXIC

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

#### Named dangerous substances per COMAH Regulations 2015 (as amended) Not applicable

# The Ozone-Depleting Substances Regulations 2015

Not applicable

#### The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
lactic acid - 50-21-5	Cat A

#### The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended) Not applicable

#### Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Chemical name	Poisons and Explosive Precursors
phenol	Poison, Regulated
	Poison, Reportable 60 % w/w

International Inventories	
TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIOC	Contact supplier for inventory compliance status

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

**NZIOC** - New Zealand Inventory of Chemicals

#### 15.2. Chemical safety assessment

**Chemical Safety Report** 

No information available

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

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H341 - Suspected of causing genetic defects

H373 - May cause damage to organs through prolonged or repeated exposure

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

# Legend Section 8: Exposure controls/personal protection TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

1 0 0 / 1		UILL	
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

#### Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method

Mutagenicity Calculation method Carcinogenicity Calculation method Reproductive toxicity Calculation method STOT - single exposure Calculation method STOT - repeated exposure Calculation method Acute aquatic toxicity Calculation method Chronic aquatic toxicity Calculation method Aspiration hazard Calculation method Ozone Calculation method Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA RAC) European Chemicals Agency (ECHA) (ECHA API) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE) Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme Organisation for Economic Co-operation and Development Screening Information Data Set World Health Organization

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This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended) Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**