SAFETY DATA SHEET

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

Supercedes date 16-Oct-2023 **Revision date** 21-Feb-2024 **Revision Number** 3.01

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

1.1. Product identifier

Product Code(s) 48805

Safety data sheet number 48805

Product Name POLYESTER ACRYLATE IN GPTA

Synonyms ELITE UVP6175-GP30

Pure substance/mixture Mixture

Contains GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID, 2-HYDROXYETHYL ACRYLATE, MEQUINOL

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

Recommended use ADHESIVES PAINT Inks Laboratory chemicals

1.3. Details of the supplier of the safety data sheet

Supplier
Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com

Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)

2.2. Label elements

Contains GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID, 2-HYDROXYETHYL ACRYLATE, MEQUINOL

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves and eye/face protection
P321 - Specific treatment (see .? on this label)
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P337 + P313 - If eye irritation persists: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse

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

2.3. Other hazards

Substance may cause slight skin irritation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID 52408-84-1	30 - 60%	500-114-5	-	Skin Sens. 1 (H317) Eye Irrit. 2 (H319)	-	-	-
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	< 1%	204-881-4	-	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)	-	1	1
MEQUINOL 150-76-5	< 1%	205-769-8	-	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	-	-	-
2-HYDROXYETHYL	< 1%	212-454-9	-	Acute Tox. 3 (H311)	Skin Sens. 1 ::	-	-

ACRYLATE 818-61-1				Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	C>=0.2%		

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.

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

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

Eyes Causes serious eye irritation. Burning sensation. May cause redness and tearing of the eyes.

Dermal Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Prolonged contact may cause redness and irritation. Hives. Itching. Rashes.

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Foam. Carbon dioxide (CO2). powder.

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	Hazardous polymerisation may occur. Closed containers can burst violently when heated, due to excess pressure build-up. Product is or contains a sensitiser. May cause sensitisation by skin contact.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool containers with flooding quantities of water until well after fire is out.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protection recommended in Section 8. No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure adequate ventilation. Avoid contact with skin, eyes and inhalation of vapours. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
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	Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later 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	Use personal protection recommended in Section 8. Take precautionary measures against static discharge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and inhalation of vapours. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Do not eat, drink or smoke when using the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Take off all contaminated clothing and wash it before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep from freezing. Protect from direct sunlight. Keep at a temperature not exceeding 45 °C. Avoid contact with:. Acids. alkali. Oxidising agent. Reducing agent. Avoid use of electric band heaters. If prolonged excursions above the recommended storage temperature occur, then the rate of inhibitor depletion could
accelerate, leading to an increased risk of polymerization. In these circumstances it is recommended that the inhibitor
level be checked periodically using ASTM procedure D 3125, and more inhibitor added if depletion is observed. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific use(s)
See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	TWA: 10 mg/m³

Biological occupational exposure limits 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, PROPOXYLATED, ESTERS WITH ACRYLIC ACID 52408-84-1		1.92 mg/kg/day [4] [6]	16.22 mg/m³ [4] [6]
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0		0.5 mg/kg/day [4] [6]	3.5 mg/m³ [4] [6]
MEQUINOL 150-76-5			3 mg/m³ [4] [6]
2-HYDROXYETHYL ACRYLATE 818-61-1			2.4 mg/m³ [5] [6]

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

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID 52408-84-1	1.39 mg/m³ [4] [6]	1.15 mg/kg/day [4] [6]	4.87 mg/m³ [4] [6]
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	0.25 mg/kg/day [4] [6]	0.25 mg/kg/day [4] [6]	0.86 mg/m³ [4] [6]
2-HYDROXYETHYL ACRYLATE 818-61-1			1.2 mg/m³ [5] [6]

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

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID 52408-84-1	0.00574 mg/l	0.0574 mg/L	0.000574 mg/l		
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	0,000199 mg/l	0,00199 mg/l	0,00002 mg/l		
MEQUINOL 150-76-5	0.0136 mg/L		0.00136 mg/L		
2-HYDROXYETHYL ACRYLATE 818-61-1	0.0172 mg/L	0.0361 mg/L	0.00172 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID 52408-84-1	0.01697 mg/kg	0.001697 mg/kg	10 mg/L	0.00111 mg/kg	10 mg/l
2,6 DI-TERT-BUTYL-P-CRESOL (BHT) 128-37-0	0,0996 mg/kg	0,00996 mg/kg	0.17 mg/L	0,04769 mg/kg	8,33 mg/kg
MEQUINOL 150-76-5	0.125 mg/kg sediment dw	0.0125 mg/kg sediment dw	10 mg/L	0.017 mg/kg soil dw	
2-HYDROXYETHYL ACRYLATE 818-61-1	0.0636 mg/kg sediment dw	0.00636 mg/kg sediment dw	10 mg/L	0.00263 mg/kg soil dw	

8.2. Exposure controls

Engineering controls Ensure adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Use eye protection according to EN 166. Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374. Wear suitable gloves.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
	Nitrile rubber	0.5 mm	

Skin and body protection Wear appropriate clothing to prevent reasonably probable skin contact. Wear suitable protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection.

General hygiene considerations Do not eat, drink or smoke when using the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Take off all contaminated clothing and wash it before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Environmental exposure controls Keep out of drains, sewers, ditches and waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Colour	No information available
Odour	Almost odourless.
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point		No information available.
Initial boiling point and boiling range	> 35 °C	No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point	> 93 °C	No information available.
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH	7	No information available.
pH (as aqueous solution)		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity		No information available.
Water solubility	Insoluble in water	No information available.

Solubility(ies)	Soluble in the following materials:, Organic solvents	No information available.
Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density		No information available.
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
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 The following materials may react with the product:. Acids. Alkali. Oxidising agents. Reducing agent.

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 If prolonged excursions above the recommended storage temperature occur, then the rate of inhibitor depletion could
accelerate, leading to an increased risk of polymerization. In these circumstances it is recommended that the inhibitor
level be checked periodically using ASTM procedure D 3125, and more inhibitor added if depletion is observed.

10.4. Conditions to avoid

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Keep from freezing. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials Acids. Alkali. Oxidising agents. Reducing agent.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon oxides.

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. Inhalation of vapours in high concentration may cause irritation of respiratory system. Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Substance may cause slight skin irritation. May cause sensitisation by skin contact. May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 300,000.00 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	> 6000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
MEQUINOL	= 1600 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
2-HYDROXYETHYL ACRYLATE	= 548 mg/kg (Rat)	> 1000 mg/kg (Rat)	-

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

Skin corrosion/irritation Based on available data the classification criteria are not met. Substance may cause slight skin irritation. Classification based on data available for ingredients. Causes mild skin irritation.

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal		4 hours	non-irritant

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Causes serious eye irritation

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			May cause slight eye irritation

Respiratory or skin sensitisation May cause an allergic skin reaction.

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Species	Exposure route	Results
			Sensitising

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Results
Draize Test	Guinea pig		No sensitisation responses were observed

Germ cell mutagenicity Based on available data the classification criteria are not met.

Component Information

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Species	Results
	in vitro	Negative

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Results
		Negative
	Rat	Negative

Carcinogenicity No information available.

Reproductive toxicity No information available.

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Species	Results
	Rat	> 750 mg/kg

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Results
	Rat	NOAEL P 500 mg/kg

STOT - single exposure No information available.

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results

	Rat	Oral			NOAEL 250 mg/kg

STOT - repeated exposure No information available.

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Oral	25 mg/kg	daily	NOAEL

Aspiration hazard No information available.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

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

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

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Brachydanio rerio	LC50	Toxicity > Water solubility	96 hours	
OECD Test No. 210: Fish, Early-Life Stage Toxicity Test	Oryzias latipes (Ricefish)	NOEC	0.053 mg/L	30 days	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EC50	0.48 mg/L	48 hours	
OECD Test No. 211: Daphnia magna Reproduction Test	Daphnia magna	NOEC	0.069 mg/L	21 days	
	Desmodesmus subspicatus	EC50	Toxicity > Water solubility	72 hours	
	Desmodesmus subspicatus	EC10	0.4 mg/L	72 hours	
OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)	activated sludge	EC50	Toxicity > Water solubility	3 hours	

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID	EC50: =12.2mg/L (72h) NOEC: =20.6mg/L (72h)	LC50: =5.74mg/L (96h, Danio rerio)	-	EC50: =91.4mg/L (48h)
MEQUINOL	-	LC50: =84.3mg/L (96h, Pimephales promelas) LC50: =28.5mg/L (96h, Oncorhynchus mykiss)	-	-
2-HYDROXYETHYL ACRYLATE	-	LC50: =4.8mg/L (96h, Pimephales promelas)	-	EC50: =0.78mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID (52408-84-1)

Method	Exposure time	Value	Results
	28 days	79% Biodegradation	Readily biodegradable

2,6 DI-TERT-BUTYL-P-CRESOL (BHT) (128-37-0)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days	4.5% Biodegradation	Not readily biodegradable
OECD Test No. 302C: Inherent Biodegradability: Modified MITI Test (II)	35 days	5.2-5.6% Biodegradation	not inherently biodegradable

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID	2.52
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	5.1
MEQUINOL	1.3
2-HYDROXYETHYL ACRYLATE	-0.17

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
GLYCEROL, PROPOXYLATED, ESTERS WITH ACRYLIC ACID	The substance is not PBT / vPvB
2,6 DI-TERT-BUTYL-P-CRESOL (BHT)	The substance is not PBT / vPvB
MEQUINOL	The substance is not PBT / vPvB
2-HYDROXYETHYL ACRYLATE	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Avoid release to the environment. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	None

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 contains one or more substances subject to restriction (UK REACH - Annex XVII).
This product does not contain substances subject to authorisation (UK REACH - Annex XIV).
Product restricted per REACH Annex XVII: 3

Persistent Organic Pollutants
Not applicable

Export Notification requirements
Not applicable

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)
Not applicable

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

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)
Not applicable

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 Not applicable

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
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

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)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note SDS sections updated 1

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

Prepared By J Spenceley

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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

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End of Safety Data Sheet