

This safety data sheet complies with the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

UHP 200 EXP Supercedes Date: 08-Mar-2021

## Revision date 26-Jul-2023 Revision Number 2

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

Product Name	UHP 200 EXP
Pure substance/mixture	Mixture

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

Recommended use	Adhesives

Uses advised against None known

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

Company Name Bostik Limited Common Rd ST16 3EH Stafford UK Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

### E-mail address

SDS.box-EU@bostik.com

## 1.4. Emergency telephone number

United Kingdom

Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri) NHS: 111

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Serious eye damage/eye irritation Category 2 - (H319)	
Specific target organ toxicity — single exposure	Category 3 - (H336)
Category 3 Narcotic effects	
Flammable liquids	Category 2 - (H225)

## 2.2. Label elements

Contains Ethyl acetate



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Signal word Danger

## Hazard statements

H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H225 - Highly flammable liquid and vapour.

## **EU Specific Hazard Statements**

EUH066 - Repeated exposure may cause skin dryness or cracking

### Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P312 - Call a POISON CENTER or doctor if you feel unwell
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/ container to an approved waste disposal plant
Additional information
This product requires tactile warnings if supplied to the general public. This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

## 2.3. Other hazards

Causes mild skin irritation.

### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Ethyl acetate	(607-022-00- 5) 205-500-4	141-78-6	>25 - <40	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	01-2119475103- 46-XXXX
1-Propanamine, 3-(trimethoxysilyl)-	237-511-5	13822-56-5	1 - <2.5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	01-2119510159- 45-XXXX

## 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% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures		
4.1. Description of first aid measu	res_	
General advice	Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.	
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 medical attention if irritation develops and persists.	
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.	
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms	May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.	
4.3. Indication of any immediate m	nedical attention and special treatment needed	
Note to doctors	No information available.	
SECTION 5: Firefighting me	asures	
5.1. Extinguishing media		
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.	
Unsuitable extinguishing media	No information available.	
5.2. Special hazards arising from the substance or mixture		
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	
Hazardous combustion products	Carbon oxides. Carbon dioxide (CO2). Nitrogen oxides (NOx). Silicon oxides.	
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. Use personal protection equipment.	

# SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other information	Ventilate the area. 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	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
6.3. Methods and material for conta	ainment and cleaning up
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
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 Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit. Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Contaminated work clothing should General hygiene considerations 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. 7.2. Conditions for safe storage, including any incompatibilities **Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

# Recommended storage temperature

Keep at temperatures between 10 and 35 °C.

## 7.3. Specific end use(s)

**Specific use(s)** Adhesives. This product is for research and development only.

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

Other information

Observe technical data sheet.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## **Exposure Limits**

Chemical name	European Union	United Kingdom
Ethyl acetate	TWA: 734 mg/m <sup>3</sup>	TWA: 734 mg/m <sup>3</sup>
141-78-6	TWA: 200 ppm	TWA: 200 ppm
	STEL: 1468 mg/m <sup>3</sup>	STEL: 1468 mg/m <sup>3</sup>
	STEL: 400 ppm	STEL: 400 ppm

## Derived No Effect Level (DNEL) N

No information available

Derived No Effect Level (DN	EL)		
Ethyl acetate (141-78-6)	Ethyl acetate (141-78-6)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	63 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	1468 mg/m³	
worker Long term Local health effects	Inhalation	734 mg/m³	
worker Short term Local health effects	Inhalation	1468 mg/m³	
worker Long term Systemic health effects	Inhalation	734 mg/m³	

1-Propanamine, 3-(trimethoxys	I-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	58 mg/m³	
worker Long term	Dermal	8.3 mg/kg bw/d	
Short term worker	Inhalation	58 mg/m³	
Short term worker	Dermal	8.3 mg/kg bw/d	

Derived No Effect Level (DNEL)			
Ethyl acetate (141-78-6)	Ethyl acetate (141-78-6)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Oral	4.5 mg/kg bw/d	
Long term Systemic health effects			
Consumer Long term Systemic health effects	Dermal	37 mg/kg bw/d	
Consumer Short term Systemic health effects	Inhalation	734 mg/m³	
Consumer Long term Local health effects	Inhalation	367 mg/m³	
Consumer Short term Local health effects	Inhalation	734 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Inhalation	367 mg/m³	

# Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Ethyl acetate (141-78-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.24 mg/l
Marine water	0.024 mg/l
Freshwater sediment	1.15 mg/kg
Marine sediment	0.115 mg/kg
Soil	0.148 mg/kg
Microorganisms in sewage treatment	650 mg/l

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	0.33 mg/l		
Microorganisms in sewage treatment	13 mg/l		
Soil	0.04 mg/l		
Marine water	0.033 mg/l		

## 8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use:. Nitrile rubber. Viton <sup>™</sup> . Unsuitable protective clothing. Natural rubber. Disposable 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. The breakthrough time for the mentioned glove material is in general greater than 480 min.
Skin and body protection	Wear suitable protective clothing.
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.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

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

9.1. Information on basic physical and chemical properties **Physical state** Liquid Viscous Appearance Colour Orange No information available. Odour Remarks • Method Property Values Melting point / freezing point No data available None known Initial boiling point and boiling 77 °C None known range Flammability Not applicable for liquids . None known Flammability Limit in Air None known Upper flammability or explosive No data available limits Lower flammability or explosive No data available limits -5 °C None known Flash point Autoignition temperature No data available None known Decomposition temperature None known рΗ No data available Not applicable. Insoluble in water. pH (as aqueous solution) No data available Not applicable **Kinematic viscosity** No data available None known Spindle A4 @ 20 rpm @ 23 °C **Dvnamic viscositv** 3000 - 8000 mPas Water solubility No data available. None known Ethvl acetate Solubility(ies) None known Partition coefficient No data available None known Vapour pressure < 110 kPa @ 50 °C **Relative density** No data available None known Bulk Density No data available Density 1.09 g/ml **Relative vapour density** No data available None known Particle characteristics **Particle Size** No information available **Particle Size Distribution** No information available 9.2. Other information Solid content (%) 60 No data available VOC content

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

SECTION 10: Stability a	and reactivity	
10.1. Reactivity		
Reactivity	No information available.	
10.2. Chemical stability		
Stability	Stable under normal conditions.	
Explosion data		

Sensitivity to mechanical	None.
impact Sensitivity to static discharge	Yes.
10.3. Possibility of hazardous react	tions
Possibility of hazardous reactions	None under normal processing.
10.4. Conditions to avoid	
Conditions to avoid	Heat, flames and sparks.
10.5. Incompatible materials	
Incompatible materials	None known based on information supplied.
10.6. Hazardous decomposition pro	oducts
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.
SECTION 11: Toxicological i	nformation
11.1. Information on hazard class	es as defined in Regulation (EC) No 1272/2008_
Information on likely routes of exp	osure
Product Information	
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
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. 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. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.
Acute toxicity	
Numerical measures of toxicity	
The following values are calculated ATEmix (oral) ATEmix (dermal) ATEmix (inhalation-gas) ATEmix (inhalation-dust/mist) ATEmix (inhalation-vapour)	d based on chapter 3.1 of the GHS document >5000 mg/kg >20000 ppm >5 mg/l >20 mg/l

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus	LC0 29.3 mg/l air
		cuniculus) > 20 mL/kg	-
		(Oryctolagus cuniculus)	
1-Propanamine,		LD50 (Oryctolagus cuniculus) >	-
3-(trimethoxysilyl)-	(2,97 ml/kg) (OECD 401)	2000 mg/kg 11,3 ml/kg)	
		OECD 402	

## 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 mild skin irritation.

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

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye		72 hours	irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Ethyl acetate (141-78-6)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses
Sensitisation			were observed

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	Did not cause sensitisation on
Sensitisation			laboratory animals

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

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

**Reproductive toxicity** 

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

1 Drononomino	3-(trimethoxysilyl)-	(12022 EE E)
г-гторананине.	3-1111101027201711-	113022-30-31

1-Propanamine, 3-(trimethoxysily	)- (13822-56-	-5)		
Method		Species	Results	
OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents		Rat	Not Classifiable	
STOT - single exposure	May cau	se drowsiness or dizzin	less.	
STOT - repeated exposure	Based on available data, the classification criteria are not met.			
Aspiration hazard	Based of	n available data, the cla	assification criteria are not met.	

# 11.2. Information on other hazards

	-
Note:	PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit This product is part of a kit
Other adverse effects	No information available.
11.2.2. Other information	
Endocrine disrupting properties	No information available.
11.2.1. Endocrine disrupting prop	perties

## SECTION 12: Ecological information

## 12.1. Toxicity

## Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Ethyl acetate 141-78-6		LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	0	EC50: =560mg/L (48h, Daphnia magna)		(ong torm)
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	EC50 (72h) > 1000 mg/l (Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203	-	EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202		

## 12.2. Persistence and degradability

## Persistence and degradability No information available.

## 1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)

Method	Exposure time	Value	Results
OECD Test No. 301A: Ready	28 days		67 % Not readily
Biodegradability: DOC Die-Away			biodegradable
Test (TG 301 A)			-

# 12.3. Bioaccumulative potential

## Bioaccumulation

### **Component Information**

Chemical name	Partition coefficient
Ethyl acetate	0.73

## 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 above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Ethyl acetate	The substance is not PBT / vPvB PBT assessment does
	not apply
1-Propanamine, 3-(trimethoxysilyl)-	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

### 12.7. Other adverse effects

No information available.

# SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to
shipments made in non-bulk packages (see regulatory definition). The information shown
here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)	
14.1 UN number or ID number	UN1133
14.2 UN proper shipping name	Adhesives
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing group	II
Description	UN1133, Adhesives, 3, II, (D/E)
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	640D
Classification code	F1
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L

Note:

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ADR Hazard Id (Kemmler Number)	33
IMDG	
14.1 UN number or ID number	UN1133
14.2 UN proper shipping name	Adhesives
14.3 Transport hazard class(es)	3
14.4 Packing group	
Description	UN1133, Adhesives, 3, III, (-5°C c.c.)
14.5 Marine pollutant	NP
14.6 Special precautions for user	
Special Provisions	223, 955
Limited Quantity (LQ)	5 L
EmS-No.	F-E, S-D
14.7 Maritime transport in bulk	
according to IMO instruments	
Transport in bulk according to	Annex II of MARPOL and the IBC Code Not applicable
Air transport (ICAO-TI / IATA-DGR	
14.1 UN number or ID number	UN1133
14.2 UN proper shipping name	Adhesives
14.3 Transport hazard class(es)	3
14.4 Packing group	   N 1122 Adhasiyas 2
Description	UN1133, Adhesives, 3, II
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	A3
Special Provisions	80
Limited quantity (LQ)	1L

## Section 15: REGULATORY INFORMATION

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

European Union

ERG Code

## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

### SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

3L

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

### Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

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Persistent Organic Pollutants Not applicable

### National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## **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 EUH066 - Repeated exposure may cause skin dryness or cracking H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H318 - Causes serious eye damage H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness		
Legend		
TWA	TWA (time-weighted average)	
STEL	STEL (Short Term Exposure Limit)	
Ceiling	Ceiling Limit Value	
*	Skin designation	
SVHC	Substance(s) of Very High Concern	
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals	
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals	
STOT RE	Specific target organ toxicity - Repeated exposure	
STOT SE	Specific target organ toxicity - Single exposure	
EWC	European Waste Catalogue	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by	
	Road	
IMDG	International Maritime Dangerous Goods (IMDG)	
IATA	International Air Transport Association (IATA)	
RID	Regulations concerning the International Transport of Dangerous Goods by Rail	

Key literature references and sour No information available Prepared By Revision date Indication of changes	ces for data Product Safety & Regulatory Affairs 26-Jul-2023
Revision note	SDS sections updated, 1, 2, 3, 9, 11, 12, 15, 16.
Training Advice	No information available
Further information	No information available

#### This material safety data sheet complies with requirements of UK REACH Regulations (SI 2019/758 as amended)

## 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,

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unless specified in the text.

End of Safety Data Sheet