

### Supagard Tar and Glue Remover

Revision 4

Revision date 2022-11-21

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

##### 1.1. Product identifier

**Product name** Supagard Tar and Glue Remover

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

**Product Use** [SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);  
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[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);

**Description** Breaks down Tar & Glue residue.

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

**Company** SUPAGARD LIMITED  
**Address** 19-27 Gavinton Street  
Muirend  
Glasgow  
G44 3EF  
**Web** www.supagard.com  
**Telephone** 0141 633 5933  
**Fax** 01416377219  
**Email** James.Smyth@supagard.com  
**Email address of the competent person** James.Smyth@supagard.com

##### 1.4. Emergency telephone number

**Emergency telephone number** 01416335933  
8.30am to 5.00pm  
  
For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)  
  
If you are a healthcare professional with an enquiry please visit [www.TOXBASE.org](http://www.TOXBASE.org)

#### SECTION 2: Hazards identification

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

**2.1.2. Classification - EC 1272/2008** : EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;

##### 2.2. Label elements

**Hazard pictograms**



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## 2.2. Label elements

<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P102 - Keep out of reach of children. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. P302+P350 - IF ON SKIN: Gently wash with plenty of soap and water.
<b>Precautionary Statement: Storage</b>	P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
<b>SUPPLEMENTAL HAZARD INFORMATION</b>	Ingredients as required by Regulation (EC) No 648/2004: 15 - 30% Aromatic Hydrocarbons.  Contains - Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics, Hydrocarbons, C9-11, N-alkanes, Isoalkanes, Cyclics, <2% Aromatic, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, 2-butoxyethanol.

## 2.3. Other hazards

<b>Other hazards</b>	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
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## Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics			919-446-0		50 - 60%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Hydrocarbons, C9-11, N-alkanes, Isoalkanes, Cyclics, <2% Aromatic		1174522-20-3	919-857-5	01-2119463258-33	10 - 20%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336;
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			926-141-6	01-2119456620-43	10 - 20%	: EUH066; Asp. Tox. 1: H304;
2-butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash with water and soap as a precaution.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

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

Inhalation	High concentration of vapour in enclosed space may cause irritation, headaches and nausea. May cause irritation to respiratory system. May cause drowsiness or dizziness.
Eye contact	May cause irritation to eyes.
Skin contact	May cause skin dryness and irritation. Prolonged contact may cause defatting of the skin. Prolonged or repeated exposure may cause: Skin irritation and dermatitis.
Ingestion	May be fatal if swallowed and enters airways.

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

Inhalation	TREAT SYMPTOMATICALLY. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

## General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Flammable liquid. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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## 5.2. Special hazards arising from the substance or mixture

	Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Solvent vapours may form explosive mixtures with air.  Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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## 5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.
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## Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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## SECTION 6: Accidental release measures

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

	Wear suitable protective equipment. Flammable liquid. Avoid sparks, flames, heat and sources of ignition.
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## 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.
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## 6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

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## 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Provide adequate ventilation. Static electricity and formation of sparks must be prevented.

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

Flammable liquid. Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light. Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Keep away from combustible material. Keep out of the reach of children. Store away from the following materials: Oxidising materials.

## 7.3. Specific end use(s)

Breaks down Tar & Glue residue.

## Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

Occupational exposure controls.

## 8.1.1. Exposure Limit Values

2-butoxyethanol	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 123 WEL 15 min limit mg/m3: 101.2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	WEL 8-hr limit ppm:  WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1200  WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

## Exposure Pattern - Workers

2-butoxyethanol	Acute inhalation - Systemic effects 1091 mg/m <sup>3</sup> Acute inhalation - Local effects 246 mg/m <sup>3</sup> Long-term - inhalation - Systemic effects 98 mg/m <sup>3</sup>	Acute dermal - Systemic effects 89 mg/kg Long-term - dermal - Systemic effects 125 mg/kg
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## Exposure Pattern - General population

2-butoxyethanol	Acute inhalation - Systemic effects 426 mg/m <sup>3</sup> Acute dermal - Systemic effects 89 mg/kg Long-term - inhalation - Systemic effects 59 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 75 mg/kg	Acute oral - Systemic effects 26.7 mg/kg Long-term - inhalation - Local effects 147 mg/m <sup>3</sup> Long-term - oral - Systemic effects 6.3 mg/kg
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## 8.2. Exposure controls

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## 8.2. Exposure controls

	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
8.2.1. Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
Eye / face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Skin protection - Handprotection	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Chemical resistant gloves. Nitrile rubber gloves.
Skin protection - Other	Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.3. Environmental exposure controls	Prevent further leakage or spillage if safe to do so.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	No data available
Flash point	53 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 100 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

## 9.2. Other information

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## 9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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## 9.2.2. Other safety characteristics

	No data is available on this product.
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Flammable liquid. Stable under normal conditions.
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## 10.2. Chemical stability

	Flammable liquid. Stable under normal conditions. Use as recommended.
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## 10.3. Possibility of hazardous reactions

	Under normal conditions of storage and use, no hazardous reactions will occur.
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## 10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light.
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## 10.5. Incompatible materials

	Strong acids. Strong oxidising agents.
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## 10.6. Hazardous decomposition products

	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
	based on available data the classification criteria are not met.
	Oral ATE = >10,000 mg/kg.
	Dermal ATE = >10,000 mg/kg. Inhalation Dust/Mist ATE = 550 mg/l.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	based on available data the classification criteria are not met.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
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.
STOT-single exposure	STOT SE 3: H336 - May cause drowsiness or dizziness.
STOT-repeated exposure	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
Aspiration hazard	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Repeated or prolonged exposure	EUH066 - Repeated exposure may cause skin dryness or cracking.

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## 11.1.2. Mixtures

No data available.

## 11.1.3. Hazard Information

No data available.

## 11.1.4. Toxicological Information

2-butoxyethanol	Dermal Rat LD50: 1100 mg/kg Inhalation Rat LC50/4 h: 11.0 mg/l	Oral Rat LD50: 1300 mg/kg
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Inhalation Rat LC50/8 h: >5000 mg/l Dermal Rabbit LD50: >5000mg/kg	Oral Rat LD50: >5000mg/kg Inhalation Rat LC50/4 h: >20 mg/l
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics	Inhalation Rat LC50/4 h: >13100mg/l Oral Rat LD50: >15000mg/kg	Dermal Rat LD50: >3400mg/kg

## 11.2 Information on other hazards

No data is available on this product.

## SECTION 12: Ecological information

## 12.1. Toxicity

2-butoxyethanol	Daphnia EC50/48h: 1550.0000 mg/l Rainbow trout LC50/96h: 1474 mg/l EC50 for marine or freshwater organisms >100.0000 mg/l	Algae EC50/72h: 1840 mg/l LC50 for marine or freshwater organisms >100.0000 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Daphnia EC50/48h: 1000.0000 mg/l Algae EC50/72h: 1000 mg/l	Fish LC50/96h: 1000.0000 mg/l
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics	Daphnia EC50/48h: 22.0000 mg/l Algae EC50/72h: 10	Fish LC50/96h: 30.0000 mg/l Green Algae EC50/48h: 43.98

## 12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

## 12.3. Bioaccumulative potential

May accumulate in soil and water systems.

## Partition coefficient

Supagard Tar and Glue Remover No data available 2-butoxyethanol 0.8 log P

## 12.4. Mobility in soil

The product has poor water-solubility.

## 12.5. Results of PBT and vPvB assessment

This substance/mixture is not classified as PBT or vPvB according to current criteria.

## 12.6 Endocrine disrupting properties

No data is available on this product.

## 12.7. Other adverse effects



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## 12.7. Other adverse effects

No data is available on this product.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## General information

Dispose of in compliance with all local and national requirements.

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN3295

## 14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

## 14.6. Special precautions for user

No additional special precautions.

## 14.7 Maritime Transport in bulk according to IMO instruments

Not applicable.

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code F-E S-D

## IATA



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IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulations	
	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
	COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**15.2. Chemical safety assessment**

	No information available.
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**SECTION 16: Other information**

Other information	
Revision	This document differs from the previous version in the following areas: 2 - Other hazards. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Further information. 2 - SUPPLEMENTAL HAZARD INFORMATION. 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7. Other adverse effects. 15 - Regulations.
Data sources	Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law. Flam. Liq. 3: H226 - Flammable liquid and vapour. - Flash Point - 55 degC. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. - Calculation Method. STOT SE 3: H336 - May cause drowsiness or dizziness. - Calculation Method. STOT RE 1: H372 - Causes damage to organs calculation Method through prolonged or repeated exposure . - . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. - Calculation Method.
Text of Hazard Statements in Section 3	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

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## Other information

STOT SE 3: H336 - May cause drowsiness or dizziness.  
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
Skin Irrit. 2: H315 - Causes skin irritation.  
Eye Irrit. 2: H319 - Causes serious eye irritation.

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.