

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

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

\* **1.1 Product identifier**

\* **Trade name** **PUR KB COATING**

\* **Article number:** 0972

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

No further relevant information available.

\* **Application of the substance / the mixture** Sealer

\* **1.3 Details of the supplier of the safety data sheet**

\* **Manufacturer/Supplier:**

Remmers GmbH  
Postfach 1255  
D-49624 Lönningen / Germany  
Tel.: +49(0)5432/83-0  
Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit B1 The Fleming Centre  
West Sussex RH10 9NN  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037

\* **Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010  
E-Mail: sales@remmers.co.uk

\* **1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

\* **SECTION 2: Hazards identification**

\* **2.1 Classification of the substance or mixture**

\* **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226	Flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 2 H411		Toxic to aquatic life with long lasting effects.

\* **2.2 Label elements**

\* **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

\* **Hazard pictograms**



GHS02 GHS07 GHS09

\* **Signal word** Warning

(Contd. on page 2)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 1)

**\* Hazard-determining components of labelling:**

Aromatisches Polyisocyanat  
hydrocarbons, C9, aromatics  
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)  
p-toluenesulphonyl isocyanate

**\* Hazard statements**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

**\* Precautionary statements**

P102 Keep out of reach of children.  
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.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**\* Additional information:**

EUH204 Contains isocyanates. May produce an allergic reaction.  
EUH205 Contains epoxy constituents. May produce an allergic reaction.

**\* 2.3 Other hazards**

**\* Results of PBT and vPvB assessment**

\* **PBT:** Not applicable.

\* **vPvB:** Not applicable.

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

**\* 3.2 Chemical characterisation: Mixtures**

\* **Description:** Mixture of the substances listed below with harmless additions.

**\* Dangerous components:**

CAS: 53317-61-6	Aromatisches Polyisocyanat Eye Irrit. 2, H319; Skin Sens. 1, H317	20-40%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4 Reg.nr.: 01-2119486773-24-XXXX	Solvent naphtha (mineral oil), slight aromatic (<0,1% benzene) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	20-40%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	5-10%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5-10%

(Contd. on page 3)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 2)

CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin	5-10%
NLP: 500-033-5	(number average molecular weight = 700)	
Index number: 603-074-00-8	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2,	
Reg.nr.: 01-2119456619-26-XXXX	H319; Skin Sens. 1, H317	
CAS: 122-51-0	triethyl orthoformate	1-2.5%
EINECS: 204-550-4	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 123-86-4	n-butyl acetate	1-2.5%
EINECS: 204-658-1	Flam. Liq. 3, H226; STOT SE 3, H336	
Index number: 607-025-00-1		
Reg.nr.: 01-2119485493-29-XXXX		
CAS: 4083-64-1	p-toluenesulphonyl isocyanate	≤1.0%
EINECS: 223-810-8	Resp. Sens. 1, H334; Skin Irrit. 2, H315; Eye Irrit. 2, H319;	
Index number: 615-012-00-7	STOT SE 3, H335	

\* **Additional information** For the wording of the listed hazard phrases refer to section 16.

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

##### \* 4.1 Description of first aid measures

##### \* General information

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

##### \* After inhalation

Seek medical treatment in case of complaints.

In case of unconsciousness bring patient into stable side position for transport.

##### \* After skin contact

If skin irritation continues, consult a doctor.

Wash immediately with water and soap and rinse thoroughly.

##### \* After eye contact

Seek medical treatment.

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

##### \* After swallowing

Do not induce vomiting. In case of prolonged discomfort, see a doctor. If the patient is conscious, give water to drink.

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

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

nausea

Unconsciousness

Dry skin

Skin contact may cause irritation.

Inhalation may have an irritating effect on mucous membranes.

Eye contact may cause temporary pain.

##### \* Danger

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

Swallowing followed by vomiting may lead to aspiration into the lungs which leads to suffocation or toxic pulmonary oedema.

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

symptomatic treatment

#### \* SECTION 5: Firefighting measures

##### \* 5.1 Extinguishing media

##### \* Suitable extinguishing agents

Foam

Water spray jet

Water mist

(Contd. on page 4)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 3)

Dry extinguishing agents, carbon dioxide, sand or earth should only be used for small fires.  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**\* For safety reasons unsuitable extinguishing agents**

Water.

Water with a full water jet.

**\* 5.2 Special hazards arising from the substance or mixture**

May be released in case of fire

Carbon monoxide (CO)

(in case of incomplete combustion)

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen cyanide (HCN)

(Traces)

Hydrogen chloride (HCl)

Isocyanate fumes

**\* 5.3 Advice for firefighters**

**\* Protective equipment:**

Wear full protective suit.

Wear self-contained breathing apparatus.

**\* Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**\* SECTION 6: Accidental release measures**

**\* 6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

**\* 6.2 Environmental precautions:**

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system.

**\* 6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable containers.

Clean soiled surfaces with detergent. Treat washing liquid as special refuse.

Place leaking containers in a marked drum or recovery drum.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**\* 6.4 Reference to other sections**

Fumes can combine with air to form an explosive mixture.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**\* SECTION 7: Handling and storage**

**\* 7.1 Precautions for safe handling**

Use only in well ventilated areas.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

**\* Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**\* 7.2 Conditions for safe storage, including any incompatibilities**

**\* Storage**

**\* Requirements to be met by storerooms and containers:** No special requirements.

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

## Trade name **PUR KB COATING**

(Contd. of page 4)

**\* Information on storage in a common storage facility:**

Do not store together with fire promoting and self-igniting materials as well as easily flammable solids.

**\* Further information about storage conditions:**

Store container in a well ventilated position.

Do not smoke in storage areas. Storage temperature: room temperature.

Keep container tightly closed.

**\* 7.3 Specific end use(s)** No further relevant information available.**\* SECTION 8: Exposure controls/personal protection****\* Additional information about design of technical systems:** Use only in well-ventilated areas.**\* 8.1 Control parameters****\* Components with limit values that require monitoring at the workplace:****CAS: 108-65-6 2-methoxy-1-methylethyl acetate**

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm

Long-term value: 274 mg/m<sup>3</sup>, 50 ppm

Sk

**CAS: 141-78-6 ethyl acetate**

WEL Short-term value: 400 ppm

Long-term value: 200 ppm

**CAS: 123-86-4 n-butyl acetate**

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm

Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

**\* Additional information:** The lists that were valid during compilation were used as a basis.**\* 8.2 Exposure controls****\* Personal protective equipment****\* General protective and hygienic measures**

Do not eat, drink or smoke while working.

Apply solvent-resistant skin protection preparation before beginning work.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

**\* Respiratory equipment:**

In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles.

Short term filter device:

Filter A/P2.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

**\* Protection of hands:**

Solvent resistant gloves

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**\* Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**\* Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**\* Eye protection:** Tightly sealed safety glasses.

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 5)

\* **Body protection:** Protective work clothing.

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

##### \* 9.1 Information on basic physical and chemical properties

###### \* General Information

###### \* Appearance:

Form:	Fluid
Colour:	Grey
* Odour:	Ester-like
* Odour threshold:	Not determined.
* pH-value:	Not determined.

###### \* Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

\* Flash point: 23 °C

\* Inflammability (solid, gaseous) Not applicable.

\* Ignition temperature: 315 °C

\* Decomposition temperature: Not determined.

\* Self-inflammability: Product is not self-igniting.

\* Danger of explosion: Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.

###### \* Explosive Limits:

Lower:	0.8 Vol %
Upper:	11.5 Vol %

\* Vapour pressure: Not determined.

\* Density at 20 °C 1.2 g/cm<sup>3</sup>

\* Relative density Not determined.

\* Vapour density Not determined.

\* Evaporation rate Not determined.

###### \* Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix

\* Distribution coefficient (n-octanol/water): Not determined.

###### \* Viscosity:

dynamic at 20 °C:	<150 mPas
kinematic:	Not determined.

\* 9.2 Other information No further relevant information available.

#### SECTION 10: Stability and reactivity

\* 10.1 Reactivity No further relevant information available.

##### \* 10.2 Chemical stability

###### \* Thermal decomposition / conditions to be avoided:

No decomposition if handled and stored according to specifications.

Avoid: heat, flames, sparks

###### \* 10.3 Possibility of hazardous reactions

Exothermic reaction with amines and alcohols.

With water carbon dioxide development, pressure build-up in closed containers.

Danger of bursting

\* 10.4 Conditions to avoid No further relevant information available.

###### \* 10.5 Incompatible materials:

Amines

Alcohols

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 6)

\* **10.6 Hazardous decomposition products:** Irritating gases/vapours

#### \* SECTION 11: Toxicological information

##### \* 11.1 Information on toxicological effects

\* **Acute toxicity:** Based on available data, the classification criteria are not met.

##### \* **LD/LC50 values that are relevant for classification:**

Inhalative LC50/4 h 315 mg/l (ATE)

**CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)**

Oral LD50 > 10000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rat)

##### \* **Primary irritant effect:**

##### \* **Skin corrosion/irritation**

Causes skin irritation.

##### \* **Serious eye damage/irritation**

Causes serious eye irritation.

##### \* **Sensitisation:**

May cause an allergic skin reaction.

##### \* **Experience with humans:**

Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

High concentrations may cause tiredness and dizziness.

After swallowing and subsequent vomiting, aspiration into the lungs may occur which leads to suffocation or toxic lung oedema.

##### \* **Additional toxicological information:**

Special characteristics/effects of isocyanates:

In case of over-exposure - especially when spraying isocyanate based varnishes without protective measures - there is a danger of a concentration-dependent, irritating effect on eyes, nose, throat, and respiratory tract. The delayed appearance of symptoms and the development of hypersensitivity (trouble breathing, cough, asthma) are possible. For hypersensitive persons, reactions may be triggered by very low isocyanate concentrations, also below the TLV value. In case of prolonged contact with skin, tanning and irritating effects are possible.

##### \* **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

\* **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**

May cause respiratory irritation. May cause drowsiness or dizziness.

\* **STOT-repeated exposure** Based on available data, the classification criteria are not met.

\* **Aspiration hazard** Based on available data, the classification criteria are not met.

#### \* SECTION 12: Ecological information

##### \* 12.1 Toxicity

\* **Aquatic toxicity:** No further relevant information available.

\* **12.2 Persistence and degradability** No further relevant information available.

\* **12.3 Bioaccumulative potential** No further relevant information available.

\* **12.4 Mobility in soil** No further relevant information available.

##### \* **Ecotoxicological effects:**

\* **Remark:** Toxic for fish

##### \* **Additional ecological information:**

##### \* **General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.

Hazardous to drinking water even if small quantities leak into soil.

Also toxic for fish and plankton in bodies of water.

Toxic for aquatic organisms

(Contd. on page 8)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 7)

\* **12.5 Results of PBT and vPvB assessment**

\* **PBT:** Not applicable.\* **vPvB:** Not applicable.\* **12.6 Other adverse effects** No further relevant information available.

\* **SECTION 13: Disposal considerations**

\* **13.1 Waste treatment methods**

\* **Recommendation**

Not hardened material must be disposed of as hazardous waste according to official regulations.

Hardened product remains may be disposed of as building rubble or put into household garbage.

Do not dispose of together with household garbage. Do not allow product to reach sewage system.

\* **European waste catalogue**

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

\* **Uncleaned packaging:**

\* **Recommendation:** Disposal must be made according to official regulations.

\* **SECTION 14: Transport information**

\* **14.1 UN-Number**

\* **ADR, IMDG, IATA**

UN1263

\* **14.2 UN proper shipping name**

\* **ADR**

1263 PAINT, ENVIRONMENTALLY HAZARDOUS

\* **IMDG**

PAINT, MARINE POLLUTANT

\* **IATA**

PAINT

\* **14.3 Transport hazard class(es)**

\* **ADR**\* **Class**

3 (F1) Flammable liquids.

\* **Label**

3

\* **IMDG**

\* **Class**

3 Flammable liquids.

\* **Label**

3

\* **IATA**

\* **Class**

3 Flammable liquids.

\* **Label**

3

\* **14.4 Packing group**

\* **ADR, IMDG, IATA**

III

\* **14.5 Environmental hazards:**

\* **Marine pollutant:**

mp

Yes

Symbol (fish and tree)

Symbol (fish and tree)

\* **Special marking (ADR):**\* **14.6 Special precautions for user**

Warning: Flammable liquids.

\* **Kemler Number:**

30

(Contd. on page 9)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

### Trade name **PUR KB COATING**

(Contd. of page 8)

\* **EMS Number:** F-E,S-E  
 \* **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

\* **Transport/Additional information:**

-----  
 \* **ADR**

\* **Limited quantities (LQ)**

5L

\* **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

\* **Transport category**

3

\* **Tunnel restriction code**

D/E

-----  
 \* **IMDG**

\* **Limited quantities (LQ)**

5L

\* **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

\* **UN "Model Regulation":**

UN1263, PAINT, ENVIRONMENTALLY

HAZARDOUS, 3, III

\* **SECTION 15: Regulatory information**

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

\* **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 30

\* **National regulations**

\* **Other regulations, limitations and prohibition ordinances**

From the European Committee of the Associations for varnish, printing ink and artistry paint producers - CEPE - the following information is given for isocyanate based coating materials:

Ready-to-use coating materials that contain isocyanates may have an irritating effect on mucous membranes - especially on respiratory organs - and cause hypersensitivity reactions. There is a risk of sensitization if vapours or sprayed mist are inhaled. When handling isocyanate based coating materials, all measures for solvent based coating materials must be strictly observed. Sprayed mist and vapours especially should not be inhaled.

Persons with allergies or asthma who have a tendency for respiratory tract ailments should not be allowed to work with isocyanate based coating materials.

\* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

\* **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

\* **Department issuing data specification sheet:** Product Safety department / EHS

\* **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 2

Revision: 21.04.2015

Trade name **PUR KB COATING**

(Contd. of page 9)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2