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# SAFETY DATA SHEET Permabond TA4207B

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	Permabond TA4207B	
1.2. Relevant identified uses o	f the substance or mixture and uses advised against	
Identified uses	Adhesive.	
1.3. Details of the supplier of the supplier of the supplier of the supplier of the supplication of the su	ne safety data sheet	
Supplier	Permabond Engineering Adhesives GmbH Niederkasseler Lohweg 18 40547 Düsseldorf Germany info.europe@permabond.com	
Manufacturer	Permabond Engineering Adhesives Ltd. Wessex Way Colden Common Winchester Hampshire SO21 1WP United Kingdom Tel: +44 (0)1962 711 661 Fax: +44 (0)1962 711 662 info@permabond.co.uk	
1.4. Emergency telephone num	nber	
Emergency telephone	CHEMTREC UK: +(44)-870-8200418 CHEMTREC US: 800-424-9300 (CCN: 829878)	
National emergency telephone number	CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034	
SECTION 2: Hazards identifica	ation	
2.1. Classification of the substa	ance or mixture	
Classification (EC 1272/2008) Physical hazards	Flam. Liq. 3 - H226	
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	
Environmental hazards	Aquatic Chronic 3 - H412	
2.2. Label elements		
Hazard pictograms		
Signal word	Warning	

Hazard statements	<ul> <li>H226 Flammable liquid and vapour.</li> <li>H315 Causes skin irritation.</li> <li>H319 Causes serious eye irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H335 May cause respiratory irritation.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	<ul> <li>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P273 Avoid release to the environment.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352a IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P308+P313 IF exposed or concerned: Get medical advice/ attention.</li> </ul>
Contains	METHYL METHACRYLATE, 2-HYDROXYETHYL METHACRYLATE
Supplementary precautionary statements	<ul> <li>P243 Take action to prevent static discharges.</li> <li>P261 Avoid breathing vapour/ spray.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P337+P313 If eye irritation persists: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</li> <li>P403+P235 Store in a well-ventilated place. Keep cool.</li> <li>P501 Dispose of contents/container in accordance with existing Community, National and local regulations.</li> </ul>

# 2.3. Other hazards

None under normal conditions. This substance is not classified as PBT or vPvB according to current EU criteria.

3.2. Mixtures		
METHYL METHACRYLATE		60-100%
CAS number: 80-62-6	EC number: 201-297-1	REACH registration number: 01- 2119452498-28-XXXX
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
STOT SE 3 - H335		

2-HYDROXYETHYL METHACRY	/LATE	10-30%
CAS number: 868-77-9	EC number: 212-782-2	REACH registration number: 01- 2119490169-29-XXXX
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
3,5-DIETHYL-1,2-DIHYDRO-1-PI PROPYLPYRIDINE	HENYL-2-	5-10%
CAS number: 34562-31-7	EC number: 252-091-3	REACH registration number: 01- 2120769712-47-XXXX
REACH registration exemption –	< 1 tonne	
Classification		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Aquatic Chronic 4 - H413		
2,6-DI-TERT-BUTYL-P-CRESOL		<1%
CAS number: 128-37-0	EC number: 204-881-4	
M factor (Acute) = $1$		
REACH registration exemption –	M factor (Chronic) = 1	
Classification		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
ANILINE		<1%
CAS number: 62-53-3	EC number: 200-539-3	REACH registration number: 01- 2119451454-41-XXXX
M factor (Acute) = 1		
Classification		
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Muta. 2 - H341		
Carc. 2 - H351		
STOT RE 1 - H372		
Aquatic Acute 1 - H400		
The full text for all hazard stateme	nts is displayed in Section 16.	

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Get medical attention if any discomfort continues.	
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.	
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms develop, obtain medical attention	
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Get medical attention if any discomfort continues.	
4.2. Most important symptoms	and effects, both acute and delayed	
Skin contact	Skin irritation. Mild dermatitis, allergic skin rash.	
Eye contact	Irritating and may cause redness and pain.	
4.3. Indication of any immediat	e medical attention and special treatment needed	
Notes for the doctor	No specific recommendations. Treat symptomatically.	
SECTION 5: Firefighting meas	ures	
5.1. Extinguishing media		
Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising fro	om the substance or mixture	
Specific hazards	Flammable liquid and vapour. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.	
Hazardous combustion products	Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.	
5.3. Advice for firefighters		
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION 6: Accidental releas	e measures	
6.1. Personal precautions, protective equipment and emergency procedures		
Personal precautions	Eliminate all sources of ignition. Ensure adequate ventilation of the working area. Do not breathe vapour. Wear protective clothing as described in Section 8 of this safety data sheet.	
6.2. Environmental precautions		
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.	
6.3. Methods and material for o	containment and cleaning up	
Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal.	
6.4. Reference to other section		
Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13.	

### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Use in a well ventilated area. Do not ingest or inhale. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

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

Storage precautionsKeep container tightly closed, in a cool, well ventilated place. Keep container dry. Store in<br/>closed original container at temperatures between 2°C and 7°C.

#### 7.3. Specific end use(s)

Specific end use(s) Adhesive.

### SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### Occupational exposure limits

### METHYL METHACRYLATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m<sup>3</sup>

## 2,6-DI-TERT-BUTYL-P-CRESOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>

### ANILINE

Long-term exposure limit (8-hour TWA): WEL 1 ppm 4 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin.

## METHYL METHACRYLATE (CAS: 80-62-6)

DNEL	Workers, Industry/Professional - Inhalation; Long term : 208 mg/m <sup>3</sup> Workers, Industry/Professional - Dermal; Long term : 13.67 mg/kg/day Workers, Industry/Professional - Inhalation; Short term : 416 mg/m <sup>3</sup> Workers, Industry/Professional - Water; Long term <0.94 mg/l
	2-HYDROXYETHYL METHACRYLATE (CAS: 868-77-9)
	<u>/</u>
DNEL	Workers, Industry - Inhalation; Long term systemic effects: 4.9 mg/m <sup>3</sup>
	Workers, Industry - Dermal; Long term systemic effects: 1.3 mg/kg/day
PNEC	Workers, Industry - Water; Long term 0.482 mg/l
	Workers, Industry - Soil; Long term 0.476 mg/kg
	Workers, Industry - STP; Long term 10 mg/l
	Workers, Industry - Fresh water; 3.79 mg/kg
3,5-DIETH	/L-1,2-DIHYDRO-1-PHENYL-2-PROPYLPYRIDINE (CAS: 34562-31-7)
DNEL	No data available.
PNEC	No data available.

# 2,6-DI-TERT-BUTYL-P-CRESOL (CAS: 128-37-0)

DNEL	Workers - Inhalation; Long term systemic effects: 3.5 mg/m³ Workers - Dermal; Long term systemic effects: 0.5 mg/kg/day
PNEC	Fresh water; 0.199 µg/l marine water; 0.02 µg/l STP; 0.17 mg/l Sediment (Freshwater); 99.6 µg/kg Sediment (Marinewater); 9.96 µg/kg Soil; 8.33 mg/kg
	ANILINE (CAS: 62-53-3)
DNEL	Workers - Inhalation; Long term systemic effects: 7.7 mg/m <sup>3</sup> Workers - Inhalation; Short term systemic effects: 15.4 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2 mg/kg/day Workers - Dermal; Short term systemic effects: 4 mg/kg/day
PNEC	Fresh water; 0.001 mg/l marine water; 0 mg/l STP; 2 mg/l Sediment (Freshwater); 0.153 mg/kg, dw Sediment (Marinewater); 0.015 mg/kg, dw Soil; 0.033 mg/kg, dw

#### 8.2. Exposure controls

Protective equipment



Appropriate engineering

Eye/face protection

Hand protection

Hygiene measures

**Respiratory protection** 

controls



Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

If risk of splashing, wear safety goggles or face shield. Personal eye protection should conform to EN 166

It is recommended that chemical-resistant, impervious gloves are worn. Gloves should conform to EN 374. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Thickness:  $\geq 0.4$  mm The selected gloves should have a breakthrough time of at least 0.5 hours. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness:  $\geq 0.4$  mm The selected gloves should have a breakthrough time of at least 8 hours. The breakthrough time for any glove material may be different for different glove manufacturers. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and bodyEmployee must wear appropriate protective clothing and equipment to prevent any possibilityprotectionof skin contact with this substance.

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Ensure adequate ventilation of the working area. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Organic vapour filter. Type A. (EN14387)

SECTION 9: Physical and chemical properties		
9.1. Information on basic phys		
9.1. Information on basic phys	Opaque liquid.	
Colour	Yellow.	
Odour	Acrylic	
Odour threshold	Not available.	
рН	Not relevant.	
Melting point	Not available.	
Initial boiling point and range	~100°C	
Flash point	≈30°C	
Evaporation rate	Not available.	
Upper/lower flammability or explosive limits	Not available.	
Vapour pressure	Not available.	
Vapour density	Not available.	
Relative density	1.0	
Solubility(ies)	Slightly soluble in water. Soluble in the following materials: Organic solvents.	
Partition coefficient	Not available.	
Auto-ignition temperature	Not available.	
Viscosity	≈1300 mPa s @ 23°C	
Oxidising properties	Not available.	
9.2. Other information		
Other information	Not relevant.	
SECTION 10: Stability and rea	activity	
10.1. Reactivity		
Reactivity	The following materials may react with the product: Strong oxidising agents. Strong acids. Strong alkalis.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures.	
10.3. Possibility of hazardous		
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.	
10.4. Conditions to avoid		
Conditions to avoid	Take precautionary measures against static discharges. Avoid heat, flames and other sources of ignition.	
10.5. Incompatible materials		
Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.	

# Hazardous decomposition Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified products organic compounds. SECTION 11: Toxicological information 11.1. Information on toxicological effects **Toxicological effects** The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Skin sensitisation Skin sensitisation May cause sensitisation by skin contact. Aspiration hazard Aspiration hazard None under normal conditions. Inhalation May cause respiratory system irritation. Skin contact Irritating to skin. Eye contact Irritating and may cause redness and pain.

## 10.6. Hazardous decomposition products

#### Toxicological information on ingredients.

#### METHYL METHACRYLATE

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD∞ mg/kg)	5,000.0
Species	Rat
Acute toxicity - inhalation	
Acute toxicity inhalation (LC <sub>50</sub> vapours mg/l)	29.8
Species	Rat
Skin corrosion/irritation	
Skin corrosion/irritation	Not irritating. Prolonged skin contact may cause temporary irritation.
Serious eye damage/irritation	on
Serious eye damage/irritation	Not irritating.
Respiratory sensitisation	
Respiratory sensitisation	Mouse: Sensitising.
Skin sensitisation	

Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Inconclusive.
Genotoxicity - in vivo	This substance has no evidence of mutagenic properties.
Carcinogenicity	
Carcinogenicity	CMR: no
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	No evidence of reproductive toxicity in animal studies.
Reproductive toxicity - development	No evidence of reproductive toxicity in animal studies. non-teratogenic, not embryotoxic
Specific target organ toxicit	y - single exposure
Target organs	Respiratory tract Irritation.
Specific target organ toxicit	y - repeated exposure
Target organs	No specific target organs known.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
	2-HYDROXYETHYL METHACRYLATE
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD∞ mg/kg)	5,000.0
Species	Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC <sub>50</sub> )	No information available.
Skin corrosion/irritation	
Animal data	Erythema/eschar score: Very slight erythema - barely perceptible (1). Not irritating.
Serious eye damage/irritation	on
Serious eye damage/irritation	Moderately irritating.
Respiratory sensitisation	
Respiratory sensitisation	No information available.
Skin sensitisation	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

Come call mutagoniaits	
Germ cell mutagenicity	
Genotoxicity - in vitro	Conclusive data but not sufficient for classification.
Genotoxicity - in vivo	Chromosome aberration: Negative.
Carcinogenicity	
Carcinogenicity	No specific test data are available.
Reproductive toxicity	
Reproductive toxicity - fertility	Screening - NOAEL >=1000 mg/kg/day, Oral, Rat F1
Reproductive toxicity - development	Developmental toxicity: - NOAEL: >=1000 mg/kg/day, Oral, Rat
Specific target organ toxicit	y - single exposure
STOT - single exposure	No specific test data are available.
Specific target organ toxicit	y - repeated exposure
STOT - repeated exposure	No specific test data are available.
Aspiration hazard	
Aspiration hazard	Not applicable.
3,4	5-DIETHYL-1,2-DIHYDRO-1-PHENYL-2-PROPYLPYRIDINE
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	500.1
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD₅ mg/kg)	1,000.1
Species	Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	No specific test data are available.
Skin corrosion/irritation	
Skin corrosion/irritation	Moderately irritating.
Serious eye damage/irritati	on
Serious eye damage/irritation	Moderately irritating.
Respiratory sensitisation	
Respiratory sensitisation	May cause respiratory system irritation.
Skin sensitisation	
Skin sensitisation	No specific test data are available.
Germ cell mutagenicity	
Genotoxicity - in vitro	No specific test data are available.

Carcinogenicity		
Carcinogenicity	No specific test data are available.	
Reproductive toxicity		
Reproductive toxicity - fertility	No specific test data are available.	
Specific target organ toxicit	y - single exposure	
STOT - single exposure	No specific test data are available.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	No specific test data are available.	
Aspiration hazard		
Aspiration hazard	No specific test data are available.	
	2,6-DI-TERT-BUTYL-P-CRESOL	
Acute toxicity - oral		
Acute toxicity oral (LD₅₀ mg/kg)	6,000.0	
Species	Rat	
Acute toxicity - dermal		
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.1	
Species	Rat	
Skin corrosion/irritation		
Animal data	Erythema/eschar score: No erythema (0). Not irritating.	
Serious eye damage/irritati	on	
Serious eye damage/irritation	Method: OECD 405, Rabbit Not irritating.	
Skin sensitisation		
Skin sensitisation	- Guinea pig: Not sensitising.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Gene mutation: Negative.	
Genotoxicity - in vivo	Chromosome aberration: Negative.	
Carcinogenicity		
Carcinogenicity	No evidence of carcinogenicity in animal studies.	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.	
Reproductive toxicity		
Reproductive toxicity - fertility	Two-generation study - NOAEL 100 mg/kg/day, Oral, Rat F1	
Reproductive toxicity - development	Developmental toxicity: - LOAEL: 500 mg/kg/day, Oral, Rat	

STOT - single exposure	No information available.
Specific target organ toxicit	y - repeated exposure
STOT - repeated exposure No information available.	
Aspiration hazard	
Aspiration hazard	No information available. No information available.

Ecotoxicity

Harmful to aquatic life with long lasting effects.

#### 12.1. Toxicity

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

#### Ecological information on ingredients.

## METHYL METHACRYLATE

Acute aquatic toxicity	
Acute toxicity - fish	$LC_{50}$ , 96 hours: > 79 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 69 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 72 hours: > 110 mg/l, Selenastrum capricornutum EC₅₀, 72 hours: > 100 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC <sub>20</sub> , 30 minutes: 150 - 200 mg/l, Activated sludge
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	NOEC, 35 days: 9.4 mg/l, Danio rerio (Zebrafish)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 37 mg/l, Daphnia magna
	2-HYDROXYETHYL METHACRYLATE
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: > 100 mg/l, Oryzias latipes (Red killifish)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 380 mg/l, Daphnia magna
• •	
invertebrates Acute toxicity - aquatic	EC₅₀, 48 hours: 380 mg/l, Daphnia magna EC₅₀, 72 hours: 836 mg/l, Selenastrum capricornutum

Toxicity

Chronic toxicity - aquatic NOEC, 21 days: 24.1 mg/l, Daphnia magna invertebrates

### 2,6-DI-TERT-BUTYL-P-CRESOL

	Acute	aquatic	toxicity	
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LE(C)50	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC₅₀, 96 hours: 0.199 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.48 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC₅₀, 96 hours: 0.758 mg/l, Algae
Chronic aquatic toxicity	
M factor (Chronic)	1

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

Ecological information on ingredients.

## METHYL METHACRYLATE

Biodeo	radation	
DIOUGU	lauauvii	

Water - Degradation 94%: 14 days

## 2-HYDROXYETHYL METHACRYLATE

**Biodegradation** Water - Degradation 84%: 28 days

12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

Not available.

Partition coefficient

Ecological information on ingredients.

2-HYDROXYETHYL METHACRYLATE

Bioaccumulative potential BCF: 1.34 - 1.54,

2,6-DI-TERT-BUTYL-P-CRESOL

Partition coefficient

log Pow: 5.1

12.4. Mobility in soil

Mobility

No data available. The product has poor water-solubility.

Ecological information on ingredients.

## 2-HYDROXYETHYL METHACRYLATE

Adsorption/desorption coefficient

Water - Koc: 42.7 @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB	This substance is not classified as PBT or vPvB according to current EU criteria.
assessment	

### 12.6. Other adverse effects

Other adverse effects	None known.	
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
General information	Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.	
Waste class	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.	

### **SECTION 14: Transport information**

## 14.1. UN number

1993

## 14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (contains Methylmethacrylate)

# 14.3. Transport hazard class(es)

3

### **Transport labels**



#### 14.4. Packing group

Ш

## 14.5. Environmental hazards

14.6. Special precautions for user

EmS

F-E, S-E

(D/E)

Tunnel restriction code

# 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

## SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other informa	tion
Revision date	26/01/2022
Revision	4
Supersedes date	15/06/2020
Hazard statements in full	<ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H226 Flammable liquid and vapour.</li> <li>H301 Toxic if swallowed.</li> <li>H302 Harmful if swallowed.</li> <li>H311 Toxic in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H331 Toxic if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H341 Suspected of causing genetic defects.</li> <li>H351 Suspected of causing cancer.</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>H400 Very toxic to aquatic life.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H413 May cause long lasting harmful effects to aquatic life.</li> </ul>

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.