



## SAFETY DATA SHEET

### Permabond ET530B

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

##### 1.1. Product identifier

**Product name** Permabond ET530B

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

**Identified uses** Two-component, epoxy-based adhesive.

##### 1.3. Details of the supplier of the 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 number

**Emergency telephone** CHEMTREC UK: +(44)-870-8200418 CHEMTREC US: 800-424-9300

**National emergency telephone number** CHEMTREC Ireland: +(353)-19014670  
CHEMTREC Australia: +(61)-290372994  
CHEMTREC New Zealand: +(64)-98010034

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Corr. 1A - H314 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Repr. 2 - H361fd STOT RE 2 - H373

**Environmental hazards** Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Hazard pictograms



## PermaBond ET530B

<b>Signal word</b>	Danger
<b>Hazard statements</b>	<p>H314 Causes severe skin burns and eye damage.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352a IF ON SKIN: Wash with plenty of soap and water</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p>
<b>Contains</b>	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine, 2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE, PIPERAZINE, 2-PIPERAZIN-1-YLETHYLAMINE
<b>Supplementary precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with existing Community, National and local regulations.</p>

### 2.3. Other hazards

None under normal conditions.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>		<b>30-60%</b>
CAS number: 38294-64-3	EC number: 500-101-4	REACH registration number: 01-2119965165-33-XXXX
<b>Classification</b> Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412		

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<b>BENZYL ALCOHOL</b>			<b>30-60%</b>
CAS number: 100-51-6	EC number: 202-859-9	REACH registration number: 01-2119492630-38-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319			
<b>2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE</b>			<b>10-30%</b>
CAS number: 25513-64-8	EC number: 247-063-2	REACH registration number: 01-2119560598-25-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317			
<b>PIPERAZINE</b>			<b>1-5%</b>
CAS number: 110-85-0	EC number: 203-808-3		
<b>Classification</b> Skin Corr. 1B - H314 Eye Dam. 1 - H318 Resp. Sens. 1B - H334 Skin Sens. 1B - H317 Repr. 2 - H361fd			
<b>2-PIPERAZIN-1-YLETHYLAMINE</b>			<b>1-5%</b>
CAS number: 140-31-8	EC number: 205-411-0	REACH registration number: 01-2119471486-30-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H311 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361 STOT RE 1 - H372 Aquatic Chronic 3 - H412			

The full text for all hazard statements 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.

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<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. If symptoms develop, obtain medical attention
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove any contact lenses and open eyelids wide apart. Get medical attention. Show this Safety Data Sheet to the medical personnel.

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

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Chemical burns. Mild dermatitis, allergic skin rash.
<b>Eye contact</b>	May cause serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations. Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Burning produces irritating, toxic and obnoxious fumes. Nitrous gases (NOx). Carbon monoxide, carbon dioxide, and unknown hydrocarbons.

### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal. Wash area with soap and water.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see section 13.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.
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### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

**Specific end use(s)** Adhesive. Sealant.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### PIPERAZINE

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.3 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit.

#### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine (CAS: 38294-64-3)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 0.493 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 0.14 mg/kg/day
<b>PNEC</b>	Fresh water; 0.011 mg/l marine water; 0.001 mg/l STP; 10 mg/l Sediment (Freshwater); 4320 mg/kg, dw Sediment (Marinewater); 432 mg/kg, dw Soil; 864 mg/kg, dw

#### BENZYL ALCOHOL (CAS: 100-51-6)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 22 mg/m <sup>3</sup> Workers - Inhalation; Short term systemic effects: 110 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 8 mg/kg/day
<b>PNEC</b>	Fresh water; 1 mg/l marine water; 0.1 mg/l STP; 39 mg/l Sediment (Freshwater); 5.27 mg/kg, dw Sediment (Marinewater); 0.527 mg/kg, dw Soil; 0.456 mg/kg, dw

#### 2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE (CAS: 25513-64-8)

<b>PNEC</b>	Fresh water; 0.102 mg/l marine water; 0.01 mg/l STP; 72 mg/l Sediment (Freshwater); 0.622 mg/kg Sediment (Marinewater); 0.062 mg/kg Soil; 10 mg/kg
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#### 2-PIPERAZIN-1-YLETHYLAMINE (CAS: 140-31-8)

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### DNEL

Workers - Inhalation; Long term systemic effects: 10.6 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 10.6 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 15 µg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 80 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 3.33 mg/kg/day

### PNEC

Fresh water; 0.058 mg/l  
 marine water; 0.006 mg/l  
 STP; 250 mg/l  
 Sediment (Freshwater); 215 mg/kg  
 Sediment (Marinewater); 21.5 mg/kg  
 Intermittent release; 0.58 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield. Personal eye protection should conform to EN 166

### Hand protection

Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn. Gloves should conform to EN 374. 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.

### Other skin and body protection

Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.

### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.

### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Amine.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	>100°C
Evaporation rate	Not available.

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Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.0
Solubility(ies)	Slightly soluble in water. Soluble in the following materials: Organic solvents.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	≈250 mPa s @ 23°C
Explosive properties	Not determined.
Oxidising properties	Not applicable.

### 9.2. Other information

Other information	Not relevant.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Under normal conditions of storage and use, no hazardous reactions will occur.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Reactions with the following materials may generate heat: Epoxy resin
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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### 10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Acids. Oxidising agents.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological effects	The toxicological properties of this product have not been fully evaluated. Avoid direct contact with skin or eyes. Do not ingest or inhale.
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Other health effects	Suspected of damaging fertility.
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### Skin sensitisation

Skin sensitisation	May cause sensitisation by skin contact.
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### Aspiration hazard

Aspiration hazard	None under normal conditions.
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<b>Inhalation</b>	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature. In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
<b>Ingestion</b>	Causes burns. May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	This product is strongly irritating. Prolonged contact may cause burns.
<b>Eye contact</b>	Causes serious eye damage.

### Toxicological information on ingredients.

#### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) No information available.

##### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) No information available.

##### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) No information available.

##### Skin corrosion/irritation

Human skin model test Corrosive.

##### Serious eye damage/irritation

Serious eye damage/irritation Scientifically unjustified.

##### Skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

##### Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

##### Carcinogenicity

Carcinogenicity No information available.

##### Reproductive toxicity

Reproductive toxicity - development Developmental toxicity: - NOAEL: 100 mg/kg/day, Oral, Rat

##### Specific target organ toxicity - single exposure

STOT - single exposure No information available.

##### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

##### Aspiration hazard

Aspiration hazard No information available.

#### BENZYL ALCOHOL

##### Acute toxicity - oral



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**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,620.0

**Species** Rat

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.1

**Species** Rabbit

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 4.178

**Species** Rat

### Skin corrosion/irritation

**Animal data** Method: OECD 404, Rabbit Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Method: OECD 405, Rabbit Irritating to eyes.

### Skin sensitisation

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vivo** Chromosome aberration: Negative.

### Carcinogenicity

**Carcinogenicity** No information available.

### Reproductive toxicity

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 510 mg/kg/day, Oral, Rat

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** No information available.

## 2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 910.0

**Species** Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No information available.

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### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No information available.

### Skin corrosion/irritation

**Animal data** Corrosive.

### Serious eye damage/irritation

**Serious eye damage/irritation** Method: OECD 405, Rabbit Corrosive

### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Chromosome aberration: Negative.

**Genotoxicity - in vivo** Chromosome aberration: Negative.

### Carcinogenicity

**Carcinogenicity** No information available.

### Reproductive toxicity

**Reproductive toxicity - fertility** Two-generation study - NOAEL 10 mg/kg/day, Oral, Rat F1

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 120 mg/kg/day, Oral, Rat

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** No information available.

## SECTION 12: Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects. Avoid release to the environment.

### 12.1. Toxicity

**Toxicity** There are no data on the ecotoxicity of this product.

### Ecological information on ingredients.

#### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 70.7 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** NOELR, 48 hours: 4.3 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** NOELR, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata

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**Acute toxicity -  
microorganisms**

EC<sub>50</sub>, 3 hours: >= 1000 mg/l, Activated sludge

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#### Acute aquatic toxicity

**Acute toxicity - fish**

LC<sub>50</sub>, 96 hours: 460 mg/l, Pimephales promelas (Fat-head Minnow)  
LC<sub>50</sub>, 48 hours: 646 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic  
invertebrates**

EC<sub>50</sub>, 24 hours: 400 mg/l, Daphnia magna

**Acute toxicity - aquatic  
plants**

NOEC, 72 hours: 310 mg/l, Pseudokirchneriella subcapitata

### 2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE

#### Acute aquatic toxicity

**Acute toxicity - fish**

LC<sub>50</sub>, 48 hours: 174 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic  
invertebrates**

EC<sub>50</sub>, 24 hours: 31.5 mg/l, Daphnia magna

**Acute toxicity - aquatic  
plants**

EC<sub>50</sub>, 72 hours: 29.5 mg/l, Pseudokirchneriella subcapitata

**Acute toxicity -  
microorganisms**

EC<sub>50</sub>, 16 hours: 89 mg/l, Pseudomonas putida

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

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

#### Ecological information on ingredients.

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

**Bioaccumulative potential** BCF: 5.13,

#### 12.4. Mobility in soil

**Mobility** No data available.

#### Ecological information on ingredients.

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

**Adsorption/desorption  
coefficient**

Water - log K<sub>oc</sub>: > 5.6 @ 30°C

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB  
assessment**

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

#### 12.6. Other adverse effects

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**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** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

**Waste class** 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances.

### SECTION 14: Transport information

#### 14.1. UN number

2735

#### 14.2. UN proper shipping name

POLYAMINES, LIQUID, CORROSIVE, N.O.S. (contains 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

#### 14.3. Transport hazard class(es)

8

#### Transport labels



#### 14.4. Packing group

III

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

**EmS** F-A, S-B

**Tunnel restriction code** (E)

#### 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).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).

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### 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.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG228.

Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Revision date 15/07/2021

Revision 5

Supersedes date 19/10/2018

**Hazard statements in full**

H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H361 Suspected of damaging fertility or the unborn child.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

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.