

# LOXEAL®

## ENGINEERING ADHESIVES

### SAFETY DATA SHEET

#### Loxeal 86-72

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

##### 1.1. Product identifier

**Product name** Loxeal 86-72

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

**Identified uses** Adhesive. Sealant.

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

**Supplier** Loxeal s.r.l.  
Via Marconato 2  
Cesano Maderno  
20811 (MB)  
Italia  
Tel: +39 0362 529 301  
Fax +39 0362 524 225  
info@loxeal.com

##### 1.4. Emergency telephone number

**National emergency telephone number** CHEMTREC UK: +(44)-870-8200418  
CHEMTREC US: 800-424-9300  
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 Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 4 - H413

##### 2.2. Label elements

###### Pictogram



**Signal word** Warning

**Hazard statements** H317 May cause an allergic skin reaction.  
H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statements** P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352a IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**Contains** N,N-(m-PHENYLENE)DIMALEIMIDE, 2-PHENOXYETHYL METHACRYLATE

**Supplementary precautionary statements** P264 Wash contaminated skin thoroughly after handling.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P501 Dispose of contents/container in accordance with existing Community, National and local regulations.

### 2.3. Other hazards

This product contains N,N-(m-phenylene)dimalaideimide which, in powder form, is classified as very toxic by inhalation. When present in solution, as in this case, such exposure can be excluded under normal working conditions and so this product is not labelled as such. However, if during use, there is a possibility that an aerosol mist may be formed then appropriate measures must be taken to exclude exposure by inhalation.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>BISPHENOL A ETHOXYLATE DIMETHACRYLATE</b>	<b>60-100%</b>
CAS number: 41637-38-1	EC number: 609-946-4
	REACH registration number: 01-2119980659-17-XXXX

#### Classification

Aquatic Chronic 4 - H413

<b>N,N-(m-PHENYLENE)DIMALEIMIDE</b>	<b>10-&lt;20%</b>
CAS number: 3006-93-7	EC number: 221-112-8
	REACH registration number: 01-2120756106-57-XXXX

#### Classification

Acute Tox. 4 - H302  
 Acute Tox. 2 - H330  
 Skin Sens. 1 - H317  
 Aquatic Chronic 3 - H412

<b>2-PHENOXYETHYL METHACRYLATE</b>	<b>1-5%</b>
CAS number: 10595-06-9	EC number: 234-201-1
	REACH registration number: 01-2120752383-55-XXXX

#### Classification

Skin Sens. 1A - H317  
 Aquatic Chronic 2 - H411

<b>WHITE MINERAL OIL (PETROLEUM)</b>	<b>1-5%</b>
CAS number: 8042-47-5	EC number: 232-455-8
	REACH registration number: 01-2119487078-27-XXXX

#### Classification

Asp. Tox. 1 - H304

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<b>CUMENE HYDROPEROXIDE</b>		<b>&lt;1%</b>
CAS number: 80-15-9	EC number: 201-254-7	REACH registration number: 01-2119475796-19-XXXX
<b>Classification</b> Org. Perox. E - H242 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Chronic 2 - H411		

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. If symptoms develop, obtain medical attention
<b>Eye contact</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

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

<b>Skin contact</b>	Skin irritation. Mild dermatitis, allergic skin rash.
<b>Eye contact</b>	Causes 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>	Foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Water.

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

<b>Hazardous combustion products</b>	Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.
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#### 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

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**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used. Avoid discharge into drains.

### 6.3. Methods and material for 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 sections

**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. Avoid eating, drinking and smoking when using the product.

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

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C. Never return unused material to storage receptacle.

### 7.3. Specific end use(s)

**Specific end use(s)** This product is not recommended for use in joints which will be in contact with either pure oxygen or steam.

**Usage description** Adhesive. Sealant.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

#### BISPHENOL A ETHOXYLATE DIMETHACRYLATE (CAS: 41637-38-1)

**DNEL** Workers - Inhalation; Long term systemic effects: 3.52 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 2 mg/kg/day

#### N,N-(m-PHENYLENE)DIMALEIMIDE (CAS: 3006-93-7)

**DNEL** Workers - Inhalation; Long term systemic effects: 0.176 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 0.05 mg/kg/day

**PNEC** Fresh water; 0.01 mg/l  
marine water; 0.001 mg/l  
STP; 0.051 mg/l  
Sediment (Freshwater); 0.035 mg/kg  
Sediment (Marinewater); 0.035 mg/kg  
Soil; 0.063 mg/kg

#### 2-PHENOXYETHYL METHACRYLATE (CAS: 10595-06-9)

**DNEL** Workers - Inhalation; Long term systemic effects: 12 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 84 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 3.5 mg/kg/day

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<b>PNEC</b>	Fresh water; 14.2 µg/l marine water; 1.42 µg/l STP; 1.77 mg/l Sediment (Freshwater); 0.665 mg/kg Sediment (Marinewater); 0.067 mg/kg Soil; 0.125 mg/kg
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### WHITE MINERAL OIL (PETROLEUM) (CAS: 8042-47-5)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 160 mg/m <sup>3</sup> Workers - Dermal; Long term local effects: 220 mg/kg/day
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<b>PNEC</b>	Technically not feasible.
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### CUMENE HYDROPEROXIDE (CAS: 80-15-9)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 6 mg/m <sup>3</sup>
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<b>PNEC</b>	Workers - Fresh water; 0.0031 mg/l Workers - marine water; 0.00031 mg/l Workers - Intermittent release; 0.031 mg/l Workers, Industry - Soil; 1.2 mg/kg Workers - STP; 0.35 mg/l Workers - Sediment (Freshwater); 0.023 mg/kg Workers - Sediment (Marinewater); 0.0023 mg/kg Workers - Soil; 0.0029 mg/kg
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## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation.

### Eye/face protection

Use approved safety goggles or face shield. Personal eye protection should conform to EN 166

### Hand protection

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: ≥ 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: ≥ 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 body protection

Uniforms, coveralls, or a lab coat should be worn

### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated. Use of good industrial hygiene practices is required.

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**Respiratory protection** 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 physical and chemical properties

<b>Appearance</b>	Opaque liquid. Liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Acrylic
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not relevant.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	>100°C
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	1.1
<b>Relative density</b>	«59» «184»
<b>Solubility(ies)</b>	Slightly soluble in water. Miscible with the following materials: Organic solvents.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	≈22000 mPa s @ 25°C Thixotropic
<b>Oxidising properties</b>	Not available.

#### 9.2. Other information

**Other information** Not relevant.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Strong oxidising agents.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** There are no known reactivity hazards associated with this product.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid the absence of air, and metal contamination.

#### 10.5. Incompatible materials

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**Materials to avoid** Metals and their salts. Free radical initiators.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified 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.

#### Aspiration hazard

**Aspiration hazard** None under normal conditions.

#### Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

#### Ingestion

No harmful effects expected from quantities likely to be ingested by accident.

#### Skin contact

Irritating to skin. May cause sensitisation by skin contact.

#### Eye contact

Causes serious eye damage.

### Toxicological information on ingredients.

#### BISPHENOL A ETHOXYLATE DIMETHACRYLATE

##### Acute toxicity - oral

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

**Species** Rat

##### Acute toxicity - dermal

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

**Species** Rat

##### Acute toxicity - inhalation

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

##### Skin corrosion/irritation

**Skin corrosion/irritation** Read-across data. Not irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Read-across data. Not irritating.

##### Skin sensitisation

**Skin sensitisation** Read-across data. Not sensitising.

##### Germ cell mutagenicity

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

**Loxeal 86-72****Carcinogenicity****Carcinogenicity** No information available.**Reproductive toxicity****Reproductive toxicity - fertility** Screening - NOAEL 1000 mg/kg/day, Oral, Rat F1**Specific target organ toxicity - single exposure****STOT - single exposure** No information available.**Specific target organ toxicity - repeated exposure****STOT - repeated exposure** Read-across data. NOAEL 300 mg/kg/day, Oral, Rat**Aspiration hazard****Aspiration hazard** Not available.**N,N-(m-PHENYLENE)DIMALDIMIDE****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 500.0**Species** Rat**Acute toxicity - inhalation****Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 0.055**Species** Rat**Skin corrosion/irritation****Human skin model test** Cell Viability 3.3 60 minutes Not irritating.**Serious eye damage/irritation****Serious eye damage/irritation** Not irritating.**Skin sensitisation****Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Sensitising.**Germ cell mutagenicity****Genotoxicity - in vitro** Gene mutation: Negative.**Carcinogenicity****Carcinogenicity** No information available.**Reproductive toxicity****Reproductive toxicity - fertility** Screening - NOAEL 240 mg/kg/day, Oral, Rat P**Specific target organ toxicity - single exposure****STOT - single exposure** No information available.**Specific target organ toxicity - repeated exposure****STOT - repeated exposure** No information available.

**Loxeal 86-72****Aspiration hazard**

**Aspiration hazard** No information available.

**2-PHENOXYETHYL METHACRYLATE****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**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**

**Skin corrosion/irritation** Slightly irritating.

**Animal data** Primary dermal irritation index: 0.25

**Serious eye damage/irritation**

**Serious eye damage/irritation** Slightly irritating.

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

**Carcinogenicity** No information available.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Screening - NOAEL 800 mg/kg/day, Oral, Rat F1

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 600 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** NOAEL 350 mg/kg/day, Oral, Rat

**Aspiration hazard**

**Aspiration hazard** Not available.

**CUMENE HYDROPEROXIDE****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 328.0

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<b>Species</b>	Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	1,200.0
<b>Species</b>	Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)</b>	1.37
<b>Species</b>	Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Highly irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Irritating to eyes.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Positive.
<b>Genotoxicity - in vivo</b>	This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	CMR: No
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No specific test data are available.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOAEL: ≥100 mg/kg/day, Oral, Rat
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	No specific test data are available.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Toxic: danger of serious damage to health by prolonged exposure through inhalation.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	No specific test data are available.

### SECTION 12: Ecological information

**Ecotoxicity** May cause long lasting harmful effects to aquatic life.

#### 12.1. Toxicity

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### 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.

#### BISPHENOL A ETHOXYLATE DIMETHACRYLATE

##### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** NOELR, 48 hours: 100 mg/l, Daphnia magna

**Acute toxicity - microorganisms** NOEC, 3 hours: 10 mg/l, Activated sludge

#### N,N-(m-PHENYLENE)DIMALDIMIDE

##### Acute aquatic toxicity

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 31.6 mg/l, Daphnia magna

#### 2-PHENOXYETHYL METHACRYLATE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 72 hours: 10 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 1.21 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** LC<sub>50</sub>, 72 hours: 4.44 mg/l, Desmodemus subspicatus

**Acute toxicity - microorganisms** EC<sub>50</sub>, 180 minutes: 177 mg/l, Activated sludge

#### CUMENE HYDROPEROXIDE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 3.9 mg/l, Oncorhynchus mykiss (Rainbow trout)

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### Ecological information on ingredients.

#### BISPHENOL A ETHOXYLATE DIMETHACRYLATE

##### **Persistence and degradability**

The product is biodegradable.

#### CUMENE HYDROPEROXIDE

##### **Biodegradation**

The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

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

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### Ecological information on ingredients.

#### BISPHENOL A ETHOXYLATE DIMETHACRYLATE

**Partition coefficient**                      log Pow: 5.30~5.62

#### 12.4. Mobility in soil

**Mobility**    No data available.

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

**Results of PBT and vPvB assessment**                      This product does not contain any substances classified as PBT or vPvB.

#### 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**    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**

**General**    The product is not classified as dangerous for carriage.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 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**

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### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	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)
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	09/10/2018
<b>Revision</b>	5
<b>Supersedes date</b>	08/03/2018
<b>Hazard statements in full</b>	H242 Heating may cause a fire. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H331 Toxic if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

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