

**SAFETY DATA SHEET**  
**SODIUM HYDROXIDE 1M (1N)**

According to Regulation (EC) No 1907/2006, Annex II

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** SODIUM HYDROXIDE 1M (1N)**Product number** 1095**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Laboratory reagent.**Uses advised against** No specific uses advised against are identified. Use only for intended applications.**1.3. Details of the supplier of the safety data sheet****Supplier**Reagent Chemical Services  
18 Aston Fields Road  
Whitehouse Industrial Estate  
Runcorn  
Cheshire WA7 3DL

T: 01928 716903 (08.30 - 17.00)

F: 01928 716425

E: [info@reagent.co.uk](mailto:info@reagent.co.uk)**1.4. Emergency telephone number****Emergency telephone** OHES Environmental Ltd 24-7  
Tel. 0333 333 9939 (24 hour)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Met. Corr. 1 - H290**Health hazards** Skin Corr. 1B - H314 Eye Dam. 1 - H318**Environmental hazards** Not Classified**2.2. Label elements****Pictogram****Signal word** Danger**Hazard statements** H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

## SODIUM HYDROXIDE 1M (1N)

<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</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>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</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>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
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**Contains** SODIUM HYDROXIDE

**Supplementary precautionary statements** P321 Specific treatment (see medical advice on this label).  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>	<b>1-5%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-0000
<b>Classification</b>	
Met. Corr. 1 - H290	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Immediate first aid is imperative. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Rinse cautiously with water for several minutes. Get medical attention immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention immediately.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

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<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Vapours are corrosive. General respiratory distress, unproductive cough. Sore throat.
<b>Ingestion</b>	Prolonged or repeated exposure may cause the following adverse effects: May cause chemical burns in mouth, oesophagus and stomach. Severe stomach pain. Nausea, vomiting.
<b>Skin contact</b>	Prolonged contact causes serious tissue damage. Chemical burns.
<b>Eye contact</b>	Prolonged contact causes serious eye and tissue damage. Profuse watering of the eyes. Corneal damage. Vapour or spray may cause eye damage, impaired sight or blindness.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No specific chemical antidote is known to be required after exposure to this product.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
<b>Unsuitable extinguishing media</b>	Do not use water, if avoidable.

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

<b>Specific hazards</b>	The product is non-combustible.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Hydrogen. Oxides of the following substances: Sodium.

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

<b>Protective actions during firefighting</b>	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Fight fire from safe distance or protected location. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## 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. Avoid inhalation of vapours and contact with skin and eyes. Wash thoroughly after dealing with a spillage.
<b>For emergency responders</b>	Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

<b>Environmental precautions</b>	To prevent release, place container with damaged side up. Avoid the spillage or runoff entering drains, sewers or watercourses. 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**

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**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Do not touch or walk into spilled material. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Wash thoroughly after dealing with a spillage.

### 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** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Do not breathe spray. Wash hands thoroughly after handling.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Provide eyewash station and safety shower. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.

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

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Store away from the following materials: Acids. Protect from freezing and direct sunlight. Protect containers from damage.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**DNEL** No specific test data are available.

**PNEC** No specific test data are available.

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

**DNEL** Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

### 8.2. Exposure controls

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation.

**Eye/face protection** Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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<b>Hand protection</b>	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. The breakthrough time for any glove material may be different for different glove manufacturers. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ~ 0.11 mm
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Check that the respirator fits tightly and the filter is changed regularly.
<b>Environmental exposure controls</b>	Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	No specific test data are available.
<b>pH</b>	pH (concentrated solution): 14
<b>Flash point</b>	Scientifically unjustified.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	No.
<b>Upper/lower flammability or explosive limits</b>	Scientifically unjustified.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.05 @ 20 @ °C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Scientifically unjustified.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.

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**Oxidising properties**                    The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information**                    Not determined.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**                                The following materials may react violently with the product: Strong acids. Powdered metal. Strong oxidising agents.

#### 10.2. Chemical stability

**Stability**                                 Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**                    In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Reacts strongly with water. Reacts violently with strong acids.

#### 10.4. Conditions to avoid

**Conditions to avoid**                    Avoid excessive heat for prolonged periods of time. Avoid freezing. Never add water directly to this product as it may cause a vigorous reaction or boiling.

#### 10.5. Incompatible materials

**Materials to avoid**                    Avoid contact with the following materials: Strong acids. Strong alkalis. Alkaline earth metals. Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products**                    Hydrogen. Oxides of the following substances: Sodium.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                    No specific test data are available.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)**                    No specific test data are available.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)**                    No specific test data are available.

##### Skin corrosion/irritation

**Skin corrosion/irritation**                    Corrosive to skin.

##### Animal data

Dose: 0.5ml of 5% w/v solution, 2 hr, Rabbit Primary dermal irritation index: 4.33 after 1 hour to 3.1 after 7 days. Erythema/eschar score: 2.6 at 24 hours Oedema score: 1.5 at 24 hours Corrosive to skin.

##### Serious eye damage/irritation

**Serious eye damage/irritation**                    No specific test data are available.

##### Respiratory sensitisation

**Respiratory sensitisation**                    No specific test data are available.

##### Skin sensitisation

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<b>Skin sensitisation</b>	Patch test - Human: Industry - Dermal; Long term systemic effects 22 mg/kg/day Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Does not contain any substances known to be mutagenic.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Does not contain any substances known to be carcinogenic.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Does not contain any substances known to be toxic to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b><u>Inhalation</u></b>	
<b>Inhalation</b>	Vapours are corrosive. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
<b><u>Ingestion</u></b>	
<b>Ingestion</b>	Causes burns. Swallowing concentrated chemical may cause severe internal injury. Burning sensation in mouth. Severe stomach pain. Nausea, vomiting.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	Causes severe burns.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	Causes severe burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight. Corneal damage.
<b><u>Route of entry</u></b>	
<b>Route of entry</b>	Skin and/or eye contact Inhalation Oral
<b><u>Target organs</u></b>	
<b>Target organs</b>	Skin Eyes

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<b>Toxicological effects</b>	Causes severe skin burns and eye damage.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> 325 mg/kg, Oral, Rabbit REACH dossier information.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Conclusive data but not sufficient for classification. REACH dossier information.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	750 µg/L, Inhalation, Rat REACH dossier information.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Corrosive to skin.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Corrosivity to eyes is assumed. REACH dossier information.

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### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

**Genotoxicity - in vivo** This substance has no evidence of mutagenic properties.

### Carcinogenicity

**Carcinogenicity** There is no evidence that the product can cause cancer.

### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

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

### Aspiration hazard

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.

### **Inhalation**

May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Burns can occur.

### **Ingestion**

This product is strongly corrosive. May cause chemical burns in mouth, oesophagus and stomach.

### **Skin contact**

This product is corrosive. Causes severe burns.

### **Eye contact**

Causes severe burns. Causes serious eye damage. Immediate first aid is imperative.

### **Acute and chronic health hazards**

This product is corrosive.

### **Route of entry**

Skin and/or eye contact Ingestion

### **Target organs**

Skin Eyes Respiratory system, lungs Gastro-intestinal tract

### **Medical symptoms**

Chemical burns.

## SECTION 12: Ecological Information

### **Ecotoxicity**

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

## SODIUM HYDROXIDE

### **Ecotoxicity**

The ecotoxicity of this substance has been assessed during REACH registration

### 12.1. Toxicity



## SODIUM HYDROXIDE 1M (1N)

<b>Acute toxicity - fish</b>	No specific test data are available.
<b>Acute toxicity - aquatic invertebrates</b>	No specific test data are available.
<b>Acute toxicity - aquatic plants</b>	Scientifically unjustified.
<b>Acute toxicity - microorganisms</b>	Not determined.
<b>Acute toxicity - terrestrial</b>	Not determined.
<b>Short term toxicity - embryo and sac fry stages</b>	Not available.
<b>Chronic toxicity - aquatic invertebrates</b>	Scientifically unjustified.

### SODIUM HYDROXIDE

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 45.4 mg/l, Onchorhynchus mykiss (Rainbow trout) Supplier's information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 40.4 mg/l,

#### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	The product contains inorganic substances which are not biodegradable.
<b>Phototransformation</b>	No specific test data are available.
<b>Biodegradation</b>	Scientifically unjustified.
<b>Biological oxygen demand</b>	No specific test data are available.
<b>Chemical oxygen demand</b>	No specific test data are available.

### SODIUM HYDROXIDE

<b>Persistence and degradability</b>	The product contains inorganic substances which are not biodegradable.
<b>Stability (hydrolysis)</b>	Scientifically unjustified.

#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>Partition coefficient</b>	Not determined.

### SODIUM HYDROXIDE

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>Partition coefficient</b>	No specific test data are available.

#### 12.4. Mobility in soil

<b>Mobility</b>	The product is soluble in water.
<b>Adsorption/desorption coefficient</b>	Scientifically unjustified.

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<b>Henry's law constant</b>	Not determined.
<b>Surface tension</b>	Not determined.

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<b>Mobility</b>	The product is water-soluble and may spread in water systems.
<b>Adsorption/desorption coefficient</b>	Scientifically unjustified.

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

<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
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### SODIUM HYDROXIDE

<b>Results of PBT and vPvB assessment</b>	This substance is not classified as PBT or vPvB according to current EU criteria.
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#### 12.6. Other adverse effects

<b>Other adverse effects</b>	None known.
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### SODIUM HYDROXIDE

<b>Other adverse effects</b>	None known.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.
<b>Disposal methods</b>	Dispose of waste product or used containers in accordance with local regulations

### SECTION 14: Transport information

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1824
<b>UN No. (IMDG)</b>	1824
<b>UN No. (ICAO)</b>	1824
<b>UN No. (ADN)</b>	1824

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (IMDG)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (ICAO)</b>	SODIUM HYDROXIDE SOLUTION
<b>Proper shipping name (ADN)</b>	SODIUM HYDROXIDE SOLUTION

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

## SODIUM HYDROXIDE 1M (1N)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

### Transport labels



### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

IMDG Code segregation group	18. Alkalis
EmS	F-A, S-B
ADR transport category	2
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

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

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

Not applicable.

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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) No 2015/830 of 28 May 2015.

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<b>Guidance</b>	Workplace Exposure Limits EH40.
<b>Authorisations (Title VII Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Title VIII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

#### **EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.            DNEL: Derived No Effect Level.            DMEL: Derived Minimal Effect Level.            PNEC: Predicted No Effect Concentration.            REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.            ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.            IATA: International Air Transport Association.            IMDG: International Maritime Dangerous Goods.            RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p>
<b>Classification abbreviations and acronyms</b>	<p>Eye Dam. = Serious eye damage            Skin Corr. = Skin corrosion            Met. Corr. = Corrosive to metals</p>
<b>General information</b>	Only trained personnel should use this material.
<b>Key literature references and sources for data</b>	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Skin Corr. 1B - H314, Eye Dam. 1 - H318: Calculation method.
<b>Revision date</b>	16/11/2017
<b>Revision</b>	6
<b>Supersedes date</b>	16/11/2017
<b>SDS number</b>	10089
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	<p>H290 May be corrosive to metals.            H314 Causes severe skin burns and eye damage.            H318 Causes serious eye damage.</p>

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.