

## **LOKPIPE POWDER**

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

### **I IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

<b>PRODUCT NAME:</b>	LOKPIPE POWDER
<b>PART NO.:</b>	LOKPIPE
<b>APPLICATIONS:</b>	Sealant
<b>USES ADVISED AGAINST:</b>	No specific uses advised against are identified
<b>SUPPLIER:</b>	Steve Vick International Limited 19 Treenwood Industrial Estate Bradford on Avon BA15 2AU Tel 01225 864 864 email: <a href="mailto:info@stevevick.com">info@stevevick.com</a>
<b>EMERGENCY TELEPHONE NUMBER:</b>	+44(0)207 858 1228

### **2 HAZARD IDENTIFICATION**

#### **2.1 Classification of the substance or mixture** **Classification (EC 1272/2008)**

<b>Physical Hazards</b>	Not Classified
<b>Health Hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental Hazards</b>	Not Classified
<b>Human Health</b>	The product is strongly irritating to eyes and skin. Dust in high concentrations may irritate the respiratory system. See Section 11 for additional information on health hazards.
<b>Environment</b>	This product is not expected to be hazardous to the environment.

#### **2.2 Label Elements**

##### **Pictogram**



<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	H315 Causes skin irritation H318 Causes serious eye damage
<b>Precautionary Statements</b>	P280 Wear protective gloves, eye and face protection. P302+P352 IF ON SKIN: Wash with plenty of 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. P310 Immediately call a POISON CENTER/ doctor. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	Cement, Portland, chemicals
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

#### **2.3 Other Hazards**

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

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

---

#### 3.2 Mixtures

Cement, portland, chemicals <b>CAS number:</b> 65997-15-1 <b>EC number:</b> 266-043-4	<b>60-100%</b>
<b>Classification</b> Skin Irrit. 2 – H315 Eye Dam. 1 – H318	

Cement, alumina, chemicals <b>CAS number:</b> 65997-16-2 <b>EC number:</b> 266-045-5	<b>10-30%</b>
<b>Classification</b> Eye Dam. 1 – H318	

DENKA CSA <b>CAS number:</b> -- <b>EC number:</b> --	<b>5-10%</b>
<b>Classification</b> Skin Irrit. 2 – H315 Eye Irrit. 2 – H319	

Calcium Ligno Sulphate = Ca Lignin <b>CAS number:</b> 8061-52-7 <b>EC number:</b> 232-506-4	<b>&lt;1%</b>
<b>Classification</b> Not Classified	

Lithium carbonate <b>CAS number:</b> 554-13-2 <b>EC number:</b> 209-062-5	<b>&lt;1%</b>
<b>Classification</b> Acute Tox. 4 – H302 Eye Irrit. 2 – H319	

Bevaloid 770DD <b>CAS number:</b> -- <b>EC number:</b> --	<b>&lt;1%</b>
<b>Classification</b> Not Classified	

Tartaric acid <b>CAS number:</b> 87-69-4 <b>EC number:</b> 201-766-0	<b>&lt;1%</b>
<b>Classification</b> Eye Dam. 1 – H318	

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

### 4 FIRST AID MEASURES

---

#### 4.1 Description of first aid measures

**GENERAL INFORMATION:** Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

**INHALATION:** 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. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

**INGESTION:**

Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

**SKIN CONTACT:**

Brush off loose particles from skin. It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

**EYE CONTACT:**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10min.

**PROTECTION FOR FIRST AIDERS:** First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

**GENERAL INFORMATION**

See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**INHALATION**

Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**INGESTION**

May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**SKIN CONTACT**

Causes skin irritation

**EYE CONTACT**

Dust or splashes from mixture may cause permanent eye damage

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

**Notes for the doctor**

Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

---

**5 FIRE FIGHTING MEASURES**

---

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media:**

Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards**

None known

**Hazardous combustion products**

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**5.3. Advice for fire fighters**

**Protective actions during fire fighting**

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for fire fighters**

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.

## **6 ACCIDENTAL RELEASE MEASURES**

---

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

**Personal precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

### **6.2. Environmental precautions**

**Environmental precautions** Avoid spreading dust or contaminated materials

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind. Avoid generation and spreading of dust. Small Spillages: Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Large Spillages: Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## **7 HANDLING AND STORAGE**

---

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

**Usage precautions:** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift & before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

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

**Storage precautions:** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from the following materials: Acids. Oxidising materials. Moisture.

**Storage Class** Chemical storage

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

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

## **8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

---

### **8.1. Control parameters**

#### **Occupational exposure limits**

##### **Cement, portland, chemicals**

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

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

##### **Cement, alumina, chemicals**

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

##### **DENKA CSA**

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

**Calcium Ligno Sulphonate = Ca Lignin**

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

**Lithium carbonate**

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

**Bevaloid 770DD**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> total dust

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> total dust

**Tartaric acid**

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

WEL = Workplace Exposure Limit

**8.2. Exposure controls**

**Protective Equipment**



**Appropriate engineering controls**

Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

**Other skin and body protection**

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

**Hygiene measures**

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

**Environmental exposure controls**

Not regarded as dangerous for the environment.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Dusty Powder
<b>Colour</b>	Grey
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	> 100°C Closed cup.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.30 @ 20°C
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	Not determined.



## STEVE VICK INTERNATIONAL LTD. PRODUCT SAFETY DATA SHEET

---

Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not determined.
Oxidising properties	Does not meet the criteria for classification as oxidising.

### 9.2 Other Information

Other Information Not Known

## 10 STABILITY AND REACTIVITY

---

### 10.1 Reactivity

There are no known reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3 Possibility of hazardous reactions

Will not polymerise.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents. Avoid contact with the following materials: Moisture.

### 10.5 Incompatible materials

**Materials to avoid** - Strong acids. Strong oxidising agents. Moisture

### 10.6 Hazardous decomposition products

None known

## 11 TOXICOLOGICAL INFORMATION

---

### 11.1. Information on toxicological effects

#### Acute toxicity – oral.

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity – dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity – inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Animal data** Skin Irrit. 2 - H315 Causes skin irritation.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Risk of serious damage to eyes

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

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

#### Carcinogenicity

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

**IARC carcinogenicity** None of the ingredients are listed or exempt.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity – development** Based on available data the classification criteria are not met.



19 Treenwood Industrial Estate  
Bradford on Avon  
BA15 2AU  
Tel 01225 864 864

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Not relevant. Solid

**Inhalation**

Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**Ingestion**

May cause discomfort if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**Skin contact**

Powder may irritate skin. Pain or irritation. Redness.

**Eye contact**

May cause serious eye damage. Symptoms following overexposure to dust may include the following: Pain. Severe irritation. Profuse watering of the eyes.

**Route of exposure**

Ingestion Inhalation Skin and/or eye contact

**Target organs**

No specific target organs known.

**Medical considerations**

Skin disorders and allergies

**Toxicological information on ingredients.**

**Toxicological effects** Cement, portland, chemicals  
No information available.

**Acute toxicity - oral** Cement, alumina, chemicals  
**Notes (oral LD<sub>50</sub>)** > 2000 mg/kg Rat REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**  
**Notes (dermal LD<sub>50</sub>)** > 2000 mg/kg Rat REACH dossier information. Based on available data the classification criteria are not met.

**Skin sensitisation**  
**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

**Germ cell mutagenicity**  
**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information.

**Specific target organ toxicity - repeated exposure**  
**STOT - repeated exposure** NOEL 1000 mg/kg/day, Oral, Rat REACH dossier information.

**Toxicological effects** DENKA CSA  
No information available.

---

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**12.1. Toxicity**

**Toxicity** Aquatic toxicity is unlikely to occur.

**Ecological information on ingredients.**

**Toxicity** Cement, portland, chemicals  
There are no data on the ecotoxicity of this product.

**Acute aquatic toxicity** Cement, alumina, chemicals  
**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish)  
REACH dossier information.

**Acute toxicity - aquatic** EC<sub>50</sub>, 48 hours: 5.4 mg/l, Daphnia magna

**Invertebrates** REACH dossier information.



## STEVE VICK INTERNATIONAL LTD. PRODUCT SAFETY DATA SHEET

**Acute toxicity – aquatic plants** EC<sub>50</sub>, 72 hours: 3.6 mg/l, Desmodosmus subspicatus  
REACH dossier information.

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

### 12.2. Persistence and degradability

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

#### Ecological information on ingredients.

Cement, portland, chemicals  
**Persistence & degradability** There are no data on the degradability of this product.

DENKA CSA  
**Persistence & degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

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

**Partition coefficient** Not determined.

#### Ecological information on ingredients.

Cement, portland, chemicals  
**Bioaccumulative potential** No data available on bioaccumulation.

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

### 12.4. Mobility in soil

**Mobility** No information available

#### Ecological information on ingredients.

Cement, portland, chemicals  
**Mobility** No information available.

Cement, alumina, chemicals  
**Mobility** The product is partly soluble in water and may spread in the aquatic environment.

DENKA CSA  
**Mobility** No information 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.

#### Ecological information on ingredients.

Cement, portland, chemicals  
**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

Cement, alumina, chemicals  
**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

DENKA CSA  
**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



19 Treenwood Industrial Estate  
Bradford on Avon  
BA15 2AU  
Tel 01225 864 864





## STEVE VICK INTERNATIONAL LTD. PRODUCT SAFETY DATA SHEET

---

Other adverse effects                      None known.

### 13 DISPOSAL CONSIDERATIONS

---

#### 13.1. Waste treatment methods

##### **General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

##### **Disposal methods**

Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

### 14 TRANSPORT INFORMATION

---

##### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1 UN number

Not applicable.

#### 14.2 UN proper shipping name

Not applicable.

#### 14.3 Transport hazard class(es)

No transport warning sign required.

##### **Transport labels**

No transport warning sign required

#### 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 MARPOL73/78 and the IBC Code

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

### 15 REGULATORY INFORMATION

---

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

##### **National regulations**

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

##### **EU legislation**

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).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
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).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



19 Treenwood Industrial Estate  
Bradford on Avon  
BA15 2AU  
Tel 01225 864 864

## 16 OTHER INFORMATION

---

**Abbreviations and acronyms  
used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
CAS: Chemical Abstracts Service.  
ATE: Acute Toxicity Estimate.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations  
And acronyms**

Skin Sens. = Skin sensitisation

**Classification procedures  
according to Regulation (EC)  
1272/2008**

Skin Irrit. 2 - H315, Eye Dam. 1 - H318: Calculation method.

**Training advice**

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

**Revision date**

13/06/2018

**Revision**

3

**Supersedes date**

02/02/2017

**SDS number**

I0232

**Hazard statements in full**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

### DISCLAIMER

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNED 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 AS 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.