



**S-FIXX ADHESIVE**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

**1.1. Product identifier**

**Product name** SFIXX APX4

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

**Identified uses** Cyanoacrylate adhesive.

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** SFIXX LTD  
UNIT 15, OLD WALESWOOD  
COLLIERY SHEFFIELD  
S26 5PQ  
TELEPHONE: UK +44 (0) 114 348 1262  
  
EMAIL: INFO@SFIXX.CO.UK

**1.4. Emergency telephone number**

**Emergency telephone** +44 (0) 114 248 1262 (Monday - Friday 09:00h - 17:00h)

**SECTION 2: Hazards identification**

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

**Classification**

**Physical hazards**

Not Classified

**Health hazards**

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208 STOT SE 3 - H335

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

Xi; R36/37/38

**Human health**

Irritating to eyes, respiratory system and skin. May cause sensitisation or allergic reactions in sensitive individuals.  
Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.

**Environmental**

The product is not expected to be hazardous to the environment.

**2.2. Label elements**

**Pictogram**



**S-FIXX Adhesive**

**Signal word** Warning

**Hazard statements**  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 EUH208 Contains 1,4-dihydroxybenzene. May produce an allergic reaction.

**Precautionary statements**  
 P102 Keep out of reach of children.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves and eye protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with national regulations.

**Supplemental label information**  
 EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

**Contains** Ethyl 2-cyanoacrylate

**Supplementary precautionary statements**  
 P261 Avoid breathing vapour/spray.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P321 Specific treatment (see medical advice on this label).  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 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>Ethyl 2-cyanoacrylate</b>	<b>&gt;99.8%</b>
<b>CAS number:</b> 7085-85-0 <b>EC number:</b> 230-391-5	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi; R36/37/38
Eye Irrit. 2 - H319	
STOT SE 3 - H335	

**S-FIXX Adhesive**

<b>1,4-dihydroxybenzene</b>	<b>&lt;0.2%</b>
<b>CAS number:</b> 123-31-9 <b>EC number:</b> 204-617-8	
<b>M factor (Acute) = 10 M factor (Chronic) = 1</b>	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn; R22. Xi; R41. Carc. Cat. 3 R40. Muta. Cat. 3 R68. N; R50/53. R43
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Muta. 2 - H341	
Carc. 2 - H351	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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****General information**

Cyanoacrylate adhesive. Bonds skin and eyes in seconds.

**Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention. 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.

**Skin contact**

If adhesive bonding occurs, do not force skin apart. Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. If adhesive bonding occurs, do not force eyelids apart. Get medical attention.

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

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

May cause respiratory system irritation.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Bonds skin and eyes in seconds. Causes mild skin irritation. May cause skin sensitisation or allergic reactions in sensitive individuals.

**Eye contact**

Bonds skin and eyes in seconds. May cause temporary eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

## S-FIXX Adhesive

### Suitable extinguishing media

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

Cyanoacrylate adhesive.

#### Hazardous combustion products

Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water.

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## SECTION 6: Accidental release measures

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

#### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

#### Environmental precautions

Avoid discharge to the aquatic environment.

### 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. Absorb spillage with inert, damp, non-combustible material. The product hardens to a solid, immobile substance. Collect and dispose of spillage as indicated in Section 13.

### 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.

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## SECTION 7: Handling and storage

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### 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. Provide adequate ventilation. Avoid spilling. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

#### Advice on general occupational hygiene

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

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

#### Storage precautions

Keep out of the reach of children. Keep container tightly closed, in a cool, well ventilated place. Keep away from heat. Keep away from food, drink and animal feeding stuffs. Protect from sunlight. Store away from incompatible materials (see Section 10).

### 7.3. Specific end use(s)

#### Specific end use(s)

## S-FIXX Adhesive

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

##### Ethyl 2-cyanoacrylate

Short-term exposure limit (15-minute): WEL 0.3 ppm 1.5 mg/m<sup>3</sup>

##### 1,4-dihydroxybenzene

Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Provide eyewash station.

##### Eye/face protection

Wear chemical splash goggles.

##### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. 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. To protect hands from chemicals, gloves should comply with European Standard EN374. 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. It is recommended that gloves are made of the following material: Butyl rubber. Neoprene.

##### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

##### Hygiene measures

Wash contaminated skin thoroughly after handling. 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.

##### Respiratory protection

Provide adequate ventilation. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

##### Environmental exposure controls

Keep container tightly sealed when not in use.

### SECTION 9: Physical and Chemical Properties

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

##### Appearance

Clear liquid.

##### Colour

Colourless.

##### Odour

Irritating. Organic solvents.

##### Odour threshold

No information available.

##### pH

## S-FIXX Adhesive

Not determined.

### **Melting point**

Not determined.

### **Initial boiling point and range**

150°C @ 768 mm Hg

### **Flash point**

>82°C

### **Evaporation rate**

Not determined.

### **Evaporation factor**

Not determined.

### **Flammability (solid, gas)**

Not relevant.

### **Upper/lower flammability or explosive limits**

Not determined.

### **Other flammability**

Not relevant.

### **Vapour pressure**

<0.2 mm Hg at 24°C

### **Vapour density**

3

### **Relative density**

1.05

### **Solubility(ies)**

Polymerises on contact with water

### **Partition coefficient**

Not determined.

### **Auto-ignition temperature**

Not determined.

### **Decomposition Temperature**

Not determined.

### **Viscosity**

3-32 cps @ 25°C

### **Explosive properties**

Not considered to be explosive.

### **Explosive under the influence of a flame**

Not considered to be explosive.

### **Oxidising properties**

Does not meet the criteria for classification as oxidising.

## **9.2. Other information**

### **Other information**

None.

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Reacts with water. Alcohols. Acids. Alkalis. Amines. Oxidising agents.

## S-FIXX Adhesive

### **10.2. Chemical stability**

#### **Stability**

Stable when stored in a dry place. Reacts with water. May polymerise.

### **10.3. Possibility of hazardous reactions**

May polymerise.

### **10.4. Conditions to avoid**

Avoid heat.

### **10.5. Incompatible materials**

#### **Materials to avoid**

Acids. Alkalis. Alcohols. Oxidising agents.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

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## **SECTION 11: Toxicological information**

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### **11.1. Information on toxicological effects**

#### **Acute toxicity - oral**

##### **Notes (oral LD50)**

Based on available data the classification criteria are not met.

#### **Acute toxicity - dermal**

##### **Notes (dermal LD50)**

Based on available data the classification criteria are not met.

#### **Acute toxicity - inhalation**

##### **Notes (inhalation LC50)**

Based on available data the classification criteria are not met.

#### **Skin corrosion/irritation**

##### **Animal data**

Irritating. Skin Irrit. 2 - H315

#### **Serious eye damage/irritation**

Irritating. Eye Irrit. 2 - H319

#### **Respiratory sensitisation**

Based on available data the classification criteria are not met.

#### **Skin sensitisation**

May cause sensitisation or allergic reactions in sensitive individuals.

#### **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**

Based on available data the classification criteria are not met.

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### **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.

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

#### **STOT - single exposure**

May cause respiratory irritation. STOT SE 3 - H335

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

#### **STOT - repeated exposure**

Based on available data the classification criteria are not met.

### **Aspiration hazard**

Based on available data the classification criteria are not met.

### **Toxicological information on ingredients.**



## S-FIXX Adhesive

### Ethyl 2-cyanoacrylate

#### **Other health effects**

Substance polymerizes rapidly on contact with air / moisture.

#### **Acute toxicity - oral**

##### **Notes (oral LD50)**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Acute toxicity - dermal**

##### **Notes (dermal LD50)**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Acute toxicity - inhalation**

##### **Notes (inhalation LC50)**

Technically not feasible. Based on available data the classification criteria are not met. REACH dossier information.

#### **Skin corrosion/irritation**

##### **Animal data**

Dose: 0.5g, 24 hours, Rabbit Primary dermal irritation index: 0.87 Slightly irritating. REACH dossier information.

#### **Serious eye damage/irritation**

Slightly irritating. REACH dossier information.

#### **Respiratory sensitisation**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Skin sensitisation**

Technically not feasible. Based on available data the classification criteria are not met. REACH dossier information.

#### **Germ cell mutagenicity**

##### **Genotoxicity - in vitro**

Gene mutation: Negative. Chromosome aberration: Negative. REACH dossier information.

#### **Carcinogenicity**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Reproductive toxicity**

##### **Reproductive toxicity - fertility**

Technically not feasible. REACH dossier information.

##### **Reproductive toxicity - development**

Technically not feasible. REACH dossier information.

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

##### **STOT - single exposure**

Irritating to respiratory system. STOT SE 3 - H335

##### **Target organs**

Respiratory system, lungs

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

##### **STOT - repeated exposure**

Technically not feasible. REACH dossier information.

#### **Aspiration hazard**

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

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### 1,4-dihydroxybenzene

#### **Acute toxicity - oral**

##### **Acute toxicity oral (LD50 mg/kg)**

367.0

##### **Species**

Rat

##### **Notes (oral LD50)**

Acute Tox. 4 - H302 Harmful if swallowed. REACH dossier information.

##### **ATE oral (mg/kg)**

367.0

#### **Acute toxicity - dermal**

##### **Notes (dermal LD50)**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Acute toxicity - inhalation**

##### **Notes (inhalation LC50)**

Based on available data the classification criteria are not met. REACH dossier information.

#### **Skin corrosion/irritation**

##### **Animal data**

Dose: 35% w/w aqueous solution, 14 days, Rat Based on available data the classification criteria are not met. REACH dossier information.

#### **Serious eye damage/irritation**

Eye Dam. 1 - H318 Risk of serious damage to eyes.

#### **Respiratory sensitisation**

Based on available data the classification criteria are not met.

#### **Skin sensitisation**

Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

#### **Germ cell mutagenicity**

##### **Genotoxicity - in vitro**

Muta. 2 - H341 Gene mutation: Positive. Chromosome aberration: Positive. Gene mutation: Negative. Chromosome aberration: Negative. REACH dossier information.

##### **Genotoxicity - in vivo**

Muta. 2 - H341 DNA damage and/or repair: Negative. Chromosome aberration: Negative. Chromosome aberration: Positive. REACH dossier information.

#### **Carcinogenicity**

Carc. 2 - H351 LOAEL 50 mg/kg/day, Oral, Rat Limited evidence of a carcinogenic effect. REACH dossier information.

#### **Reproductive toxicity**

##### **Reproductive toxicity - fertility**

Two-generation study - NOAEL 15 mg/kg/day, Oral, Rat P Based on available data the classification criteria are not met. REACH dossier information.

##### **Reproductive toxicity - development**

Maternal toxicity: - NOEL: 100 mg/kg/day, Oral, Rat Based on available data the classification criteria are not met. REACH dossier information.

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

##### **STOT - single exposure**

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Based on available data the classification criteria are not met. REACH dossier information.

### Specific target organ toxicity - repeated exposure

#### **STOT - repeated exposure**

Based on available data the classification criteria are not met. REACH dossier information.

### Aspiration hazard

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

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## SECTION 12: Ecological Information

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### 12.1. Toxicity

Based on available data the classification criteria are not met.

#### Ecological information on ingredients.

##### Ethyl 2-cyanoacrylate

Substance polymerizes rapidly on contact with air / moisture.

#### **Acute toxicity - fish**

Technically not feasible. REACH dossier information.

##### 1,4-dihydroxybenzene

#### Acute aquatic toxicity

##### **M factor (Acute)**

10

##### **Acute toxicity - fish**

LC<sub>50</sub>, 96 hours: 0.638 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.

##### **Acute toxicity - aquatic invertebrates**

EC<sub>50</sub>, 48 hours: 0.134 mg/l, Daphnia magna REACH dossier information.

##### **Acute toxicity - aquatic plants**

EC<sub>50</sub>, 72 hours: 0.330 mg/l, Pseudokirchneriella subcapitata REACH dossier information.

#### Chronic aquatic toxicity

##### **NOEC**

0.001 < NOEC ≤ 0.01

##### **Degradability**

Rapidly degradable

##### **M factor (Chronic)**

1

##### **Chronic toxicity - aquatic invertebrates**

NOEC, 21 day: 0.0057 mg/l, Daphnia magna REACH dossier information.

### 12.2. Persistence and degradability

#### **Persistence and degradability**

No data available.

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### Ecological information on ingredients.

#### Ethyl 2-cyanoacrylate

##### **Stability (hydrolysis)**

Substance polymerizes rapidly on contact with air / moisture.

##### **Biodegradation**

None.

#### 1,4-dihydroxybenzene

##### **Phototransformation**

Air - DT<sub>50</sub> : 16.58 hours REACH dossier information.

##### **Biodegradation**

Water - Degradation 70%: 14 days Soil - Degradation 100%: 24 hours REACH dossier information.

### 12.3. Bioaccumulative potential

No data available on bioaccumulation.

#### **Partition coefficient**

Not determined.

### Ecological information on ingredients.

#### Ethyl 2-cyanoacrylate

No data available on bioaccumulation.

#### 1,4-dihydroxybenzene

BCF: ~ 3.162, REACH dossier information.

##### **Partition coefficient**

log Pow: 0.59 REACH dossier information.

### 12.4. Mobility in soil

#### **Mobility**

No data available.

### Ecological information on ingredients.

#### Ethyl 2-cyanoacrylate

##### **Mobility**

Substance polymerizes rapidly on contact with air / moisture. The product is insoluble in water.

#### 1,4-dihydroxybenzene

##### **Mobility**

Soluble in water.

##### **Adsorption/desorption coefficient**

Soil - log Koc: ~ 1.585 @ 20°C REACH dossier information.

### 12.5. Results of PBT and vPvB assessment

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

### Ecological information on ingredients.

#### Ethyl 2-cyanoacrylate

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

#### 1,4-dihydroxybenzene

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

### 12.6. Other adverse effects

None known.

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### Ecological information on ingredients.

#### Ethyl 2-cyanoacrylate

None known.

#### 1,4-dihydroxybenzene

None known.

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## SECTION 13: Disposal considerations

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### 13.1. Waste treatment methods

#### General information

This material and its container must be disposed of in a safe way.

#### Disposal methods

Do not empty into drains. Dispose of contents/container in accordance with national regulations.

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## SECTION 14: Transport information

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### 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.

#### 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

Not applicable.

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## SECTION 15: Regulatory information

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

#### National regulations

EH40/2005 Workplace exposure limits. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

#### EU legislation

Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. 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). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006

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mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (EC Regulation No 1907/2006) and of the Council of 18 December 2006 (EC Regulation No 1907/2006) on the Registration and Restriction of Chemicals (REACH) (as amended). Commission

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

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

Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335: Calculation method.

**Revision comments**

Classification according to CLP Annex I.

**Revision date** 26/06/2014

**Revision** 1.2

**Supersedes date** 17/04/2014

**SDS number** 483

**Risk phrases in full**

- R22 Harmful if swallowed.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R40 Limited evidence of a carcinogenic effect.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R68 Possible risk of irreversible effects.

**Hazard statements in full**

- EUH208 Contains 1,4-dihydroxybenzene. May produce an allergic reaction.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

**Disclaimer**

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.