

Please note there are two Material Safety Data Sheets attached for the Epoxy Resin, one for the resin and one for the hardener.

## DEPR2012 Resin

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

PRODUCT NAME: 24663 DRAPER 5MIN EPOXY RESIN DEPR2012

APPLICATIONS: BONDING (RESIN)

SUPPLIER: Draper Tools Ltd  
Hursley Road  
Chandlers Ford  
Eastleigh  
Hampshire  
SO53 1YF  
Draper Helpline +44 (0) 2380 494344

### SECTION 2: Hazards identification

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

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Eye Irrit. 2 - H319 Skin Sens. 1 - H317

##### Environmental hazards

Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



##### Signal word

Warning

##### Hazard statements

H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

## DEPR2012 Resin

- P261 Avoid breathing vapour/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/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.  
P321 Specific treatment (see medical advice on this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with national regulations.

### Contains

Epoxy Resin (Epichlorohydrin, Bisphenol A), Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Epoxy Resin (Epichlorohydrin, Bisphenol A)</b> CAS number: 25085-99-8 EC number: —	<b>60-100%</b>
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b>
<b>Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol</b> CAS number: 9003-36-5 EC number: 500-006-8	<b>5-10%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b>

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

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention if symptoms are severe or persist.

#### Ingestion

Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if symptoms are severe or persist after washing.

#### Eye contact

Get medical attention if irritation persists after washing.

## DEPR2012 Resin

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

#### **Inhalation**

May cause respiratory irritation.

#### **Ingestion**

No specific symptoms known.

#### **Skin contact**

May cause an allergic skin reaction. Irritating to skin.

#### **Eye contact**

Causes eye irritation.

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

#### **Notes for the doctor**

Treat symptomatically.

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## **SECTION 5: Firefighting measures**

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### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Water spray, foam, dry powder or carbon dioxide.

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

#### **Hazardous combustion products**

Oxides of carbon. Aldehydes Organic acids Acrid smoke or fumes.

### 5.3. Advice for firefighters

#### **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**

Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

### 6.2. Environmental precautions

#### **Environmental precautions**

Avoid the spillage or runoff entering drains, sewers or watercourses. To prevent release, place container with damaged side up.

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

#### **Methods for cleaning up**

If leakage cannot be stopped, evacuate area. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

### 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**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and clothing. Do not breathe gas, fume, vapours or spray. Do not eat, drink or smoke when using this product.

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

## DEPR2012 Resin

### Storage precautions

Do not store near heat sources or expose to high temperatures. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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## SECTION 8: Exposure Controls/personal protection

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### 8.1. Control parameters

#### Occupational exposure limits

### 8.2. Exposure controls

#### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

#### Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear chemical splash goggles.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

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## SECTION 9: Physical and Chemical Properties

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

#### Appearance

Viscous liquid.

#### Colour

Clear.

#### Odour

Mild.

#### pH

Not applicable.

#### Melting point

Not available.

#### Initial boiling point and range

260°C/500°F @

#### Flash point

≥ 249°C/480°F PMCC (Pensky-Martens closed cup).

#### Evaporation rate

Not available.

#### Vapour pressure

Not available.

#### Vapour density

Not available.

#### Solubility(ies)

Insoluble in water.

## DEPR2012 Resin

### Partition coefficient

Not available.

### 9.2. Other information

#### Other information

None.

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

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### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

#### 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

Keep away from heat, sparks and open flame.

### 10.5. Incompatible materials

#### Materials to avoid

Oxidising agents. Strong acids. Amines.

### 10.6. Hazardous decomposition products

Oxides of carbon. Aldehydes. Organic acids

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## **SECTION 11: Toxicological information**

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### 11.1. Information on toxicological effects

#### Toxicological effects

No data recorded.

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## **SECTION 12: Ecological Information**

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### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

#### Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

#### Partition coefficient

Not available.

### 12.4. Mobility in soil

#### Mobility

No information available

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

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## **SECTION 13: Disposal considerations**

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### 13.1. Waste treatment methods

#### General information

## DEPR2012 Resin

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### Disposal methods

Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

## SECTION 14: Transport information

### 14.1. UN number

3082

### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Epoxy Resin Number average MWC <= 700)

### 14.3. Transport hazard class(es)

9

### Transport labels



### 14.4. Packing group

III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

### 14.6. Special precautions for user

EmS F-A, S-F

Emergency Action Code 32

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

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

#### EU legislation

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (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 Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. Dangerous Preparations Directive 1999/45/EC.

### 15.2. Chemical safety assessment

#### Inventories

## DEPR2012 Resin

### EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

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### SECTION 16: Other information

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**SDS number** 4833

**Hazard statements in full**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

## DEPR2012 Hardener

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

PRODUCT NAME: 24663 DRAPER 5MIN EPOXY RESIN DEPR2012

APPLICATIONS: BONDING (HARDENER)

SUPPLIER: Draper Tools Ltd  
Hursley Road  
Chandlers Ford  
Eastleigh  
Hampshire  
SO53 1YF  
Draper Helpline +44 (0) 2380 494344

### SECTION 2: Hazards identification

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

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

##### Environmental hazards

Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements



**DEPR2012 Hardener**

- P260 Do not breathe vapour/spray.
  - P261 Avoid breathing vapour/spray.
  - P264 Wash contaminated skin thoroughly after handling.
  - P270 Do not eat, drink or smoke when using this product.
  - P271 Use only outdoors or in a well-ventilated area.
  - P272 Contaminated work clothing should not be allowed out of the workplace.
  - P273 Avoid release to the environment.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  - P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P312 Call a POISON CENTER/doctor if you feel unwell.
  - P321 Specific treatment (see medical advice on this label).
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  - P362+P364 Take off contaminated clothing and wash it before reuse.
  - P363 Wash contaminated clothing before reuse.
  - P391 Collect spillage.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with national regulations.
- Triethylene Glycol Dimercaptan, N(3-dimethylaminopropyl)-1,2-propylenediamine

Contains

**2.3. Other hazards**

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<p><b>Triethylene Glycol Dimercaptan</b>                  CAS number: 14970-87-7 EC number: ---</p>	<p><b>60-100%</b></p>
<p><b>Classification</b>                  Acute Tox. 4 - H302                  Acute Tox. 4 - H332</p>	<p><b>Classification (67/548/EEC or 1999/45/EC)</b></p>
<p><b>N(3-dimethylaminopropyl)-1,2-propylenediamine</b>                  CAS number: 10563-29-8 EC number: ---</p>	<p><b>10-30%</b></p>
<p><b>Classification</b>                  Acute Tox. 4 - H302                  Acute Tox. 4 - H332                  Skin Corr. 1B - H314                  Eye Dam. 1 - H318                  Skin Sens. 1 - H317</p>	<p><b>Classification (67/548/EEC or 1999/45/EC)</b></p>

DEPR2012 Hardener

<b>Terphenyl</b> CAS number: 26140-60-3 EC number: — M factor (Acute) = 1 M factor (Chronic) = 1	10-30%
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b>

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**

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. For breathing difficulties, oxygen may be necessary. Get medical attention if symptoms are severe or persist.

**Ingestion**

Do not induce vomiting unless under the direction of medical personnel. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.

**Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if symptoms are severe or persist.

**Eye contact**

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. If in doubt, get medical attention promptly.

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

**General information**

The product contains a sensitising substance.

**Inhalation**

May be harmful if inhaled.

**Ingestion**

Harmful if swallowed.

**Skin contact**

Causes burns. May cause sensitisation by skin contact. May cause skin sensitisation or allergic reactions in sensitive individuals.

**Eye contact**

Causes serious eye irritation.

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

**Specific treatments**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Water spray, foam, dry powder or carbon dioxide.

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

**Hazardous combustion products**

Oxides of carbon. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of nitrogen.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters**

## DEPR2012 Hardener

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

### **SECTION 6: Accidental release measures**

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

##### **Personal precautions**

For personal protection, see Section 8.

#### **6.2. Environmental precautions**

##### **Environmental precautions**

To prevent release, place container with damaged side up. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

##### **Methods for cleaning up**

Provide adequate ventilation. Eliminate all sources of ignition. Clear up spills immediately and dispose of waste safely. Absorb spillage with sand or other inert absorbent. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

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

##### **Reference to other sections**

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

### **SECTION 7: Handling and storage**

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

##### **Usage precautions**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe gas, fume, vapours or spray. Do not eat, drink or smoke when using this product. Keep container tightly closed and at temperature not exceeding 23°C. Wash hands thoroughly after handling.

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

##### **Storage precautions**

Keep container tightly closed and at temperature not exceeding 23°C. Keep container tightly sealed when not in use.

#### **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**

##### **Terphenyl**

Short-term exposure limit (15-minute): WEL 0.5 ppm 4.8 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

##### **Eye/face protection**

Wear chemical splash goggles.

##### **Other skin and body protection**

Wear appropriate clothing to prevent skin contamination.

## DEPR2012 Hardener

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

## **SECTION 9: Physical and Chemical Properties**

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

#### **Appearance**

Clear liquid.

#### **Colour**

Colourless.

#### **Odour**

Strong.

#### **pH**

Not applicable.

#### **Melting point**

Not available.

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

>149°C @

#### **Flash point**

≥ 157°C COC (Cleveland open cup).

#### **Evaporation rate**

Not available.

#### **Vapour pressure**

Not available.

#### **Vapour density**

Not available.

#### **Solubility(ies)**

Slightly soluble in water.

#### **Partition coefficient**

Not available.

### **9.2. Other information**

#### **Other information**

No information required.

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

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

#### **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**

Keep away from heat, sparks and open flame.

### **10.5. Incompatible materials**

#### **Materials to avoid**

Oxidising agents. Acids - oxidising. Acids - non-oxidising.

## DEPR2012 Hardener

### 10.6. Hazardous decomposition products

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity - oral

ATE oral (mg/kg)

555.55555556

###### Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

12.22222222

#### SECTION 12: Ecological information

##### Ecotoxicity

Very toxic to aquatic life with long lasting effects. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

##### 12.1. Toxicity

##### 12.2. Persistence and degradability

###### Persistence and degradability

There are no data on the degradability of this product.

##### 12.3. Bioaccumulative potential

###### Partition coefficient

Not available.

##### 12.4. Mobility in soil

###### Mobility

No data on possible environmental effects have been found.

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

##### 12.6. Other adverse effects

None known.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### General information

Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

###### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

#### SECTION 14: Transport information

##### 14.1. UN number

1760

##### 14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S. (Contains N(3-dimethylaminopropyl)-1,2-propylenediamine and Terphenyl)

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

8

##### 14.4. Packing group

II

## DEPR2012 Hardener

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: Regulatory information

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

#### EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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). Dangerous Preparations Directive 1999/45/EC.

### 15.2. Chemical safety assessment

#### Inventories

#### EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

## SECTION 16: Other information

Revision date 21/01/2015

SDS number 4832

#### Hazard statements in full

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.