# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## DRY FIX® UNI - Component A

Version number: GHS 1.0 Date of compilation: 2015-06-11

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

### 1.1 Product identifier

| | |
|---|---|
| Trade name | **DRY FIX® UNI - Component A** |
| | not relevant (mixture) |

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

| | |
|---|---|
| Relevant identified uses | professional use |
| Specific process or activity | Elastic repair compound<br>Use product only in combination with component B |
| Uses advised against | consumer uses |

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

Repair Care
Cartografenweg 34
5140 AG Waalwijk
Netherlands

Telephone: +31 (0) 416 650095
Telefax: +31 (0) 416 652024
e-mail: info@repair-care.com
Website: www.repair-care.com

| | |
|---|---|
| e-mail (competent person) | info@repair-care.com |

### 1.4 Emergency telephone number

National Poisons Information Service (NPIS): 0844-8920111 (UK only) For medical professionals only.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

| GHS chapter | - Hazard class and category | - | Hazard statement code(s) | |
|---|---|---|---|---|
| 3.2 | skin corrosion/irritation | Cat. 2 | (Skin Irrit. 2) | H315 |
| 3.3 | serious eye damage/eye irritation | Cat. 1 | (Eye Dam. 1) | H318 |
| 3.4S | skin sensitisation | Cat. 1 | (Skin Sens. 1) | H317 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | Cat. 2 | (Aquatic Chronic 2) | H411 |

**Remarks**

For full text of H-phrases: see SECTION 16.

**Supplemental hazard information**

| Code | Supplemental hazard information |
|---|---|
| EUH205 | contains epoxy constituents. May produce an allergic reaction |

**The most important adverse physicochemical, human health and environmental effects**

Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP)**

**Signal word** **Danger**

**Pictograms**

GHS05, GHS07, GHS09

**Hazard statements**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statements**

**Precautionary statements - prevention**

| | |
|---|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

**Precautionary statements - response**

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P391 | Collect spillage. |

**Precautionary statements - disposal**

| | |
|---|---|
| P501 | Dispose of contents/container to industrial combustion plant. |

**Additional labelling requirements**

| | |
|---|---|
| EUH205 | Contains epoxy constituents. May produce an allergic reaction. |

**Hazardous ingredients for labelling:** bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700), 2-(2-phenoxyethoxy)ethanol, 1,6-hexanediol diglycidyl ether

## 2.3 Other hazards

There is no additional information.

# SECTION 3: Composition/information on ingredients

## 3.1 Substances

not relevant (mixture)

## 3.2 Mixtures

**Description of the mixture**

| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Classification acc. to 67/548/EEC |
|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | CAS No 25068-38-6<br><br>EC No 500-033-5<br><br>REACH Reg. No 01-2119456619-26-xxxx | ≤ 55 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1 / H317<br>Aquatic Chronic 2 / H411 | irritant; Xi; R36/38<br>sensitising; Xi; R43<br>dangerous for the environment; N; R51-53 |

| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Classification acc. to 67/548/EEC |
|---|---|---|---|---|
| 1,6-hexanediol diglycidyl ether | CAS No<br>16096-31-4<br><br>EC No<br>240-260-4<br><br>REACH Reg. No<br>01-2119463471-41-xxxx | ≤ 35 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1 / H317<br>Aquatic Chronic 3 / H412 | irritant; Xi; R36/38<br>sensitising; Xi; R43<br>dangerous for the environment; R52-53 |
| 2-phenoxyethanol | CAS No<br>122-99-6<br><br>EC No<br>204-589-7<br><br>REACH Reg. No<br>01-2119488943-21-xxxx | ≤ 20 | Acute Tox. 4 / H302<br>Eye Irrit. 2 / H319 | harmful; Xn; R22<br>irritant; Xi; R36 |
| 2-(2-phenoxyethoxy)ethanol | CAS No<br>104-68-7<br><br>EC No<br>203-227-5<br><br>REACH Reg. No<br>01-2119958189-22-xxxx | ≤ 20 | Eye Dam. 1 / H318 | irritant; Xi; R41 |

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes**

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

**Following inhalation**

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

**Following skin contact**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Seek medical treatment in case of complaints.Wash contaminated clothing before reuse.

**Following eye contact**

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

**Following ingestion**

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

For specialist advice physicians should contact the anti poison control centre.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

**Unsuitable extinguishing media**

water jet

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

**Hazardous combustion products**

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

### 5.3 Advice for firefighters

Keep containers cool with water spray. In case of fire and/or explosion do not breathe fumes. Co-ordinate fire-fighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**

Remove persons to safety.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Warning and evacuating people in the neighbourhood.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it. If substance has entered a water course or sewer, inform the responsible authority.

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

**Advices on how to contain a spill**

Covering of drains.

**Advices on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust. , kieselgur (diatomite), sand, universal binder).

**Appropriate containment techniques**

Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.

### Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Recommendations**

**• Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

**Advice on general occupational hygiene**

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

**Managing of associated risks** Handling and storage

Keep only in the original container in a cool, well-ventilated place.Keep container closed when not in use.

**Incompatible substances or mixtures**

Do not store together with materials with which contact should be avoided (see chapter 10).Protect from sunlight. Keep away from sources of ignition - No smoking.

**Consideration of other advice**

Storage temperature of 10 °C and up to 30 °C.

**• Packaging compatibilities**

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

Industrial uses.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**National limit values**

**Occupational exposure limit values (Workplace Exposure Limits)**

No information available.

**Relevant DNELs/DMELs/PNECs and other threshold levels**

**• relevant DNELs of components of the mixture**

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | DNEL | 8.33 mg/kg | human, dermal | worker (industry) | acute - systemic effects |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | DNEL | 12.25 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |

| Name of sub-stance | CAS No | End-point | Threshold level | Protection goal, route of expos-ure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | DNEL | 8.33 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | DNEL | 12.25 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | DNEL | 4.9 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | DNEL | 0.44 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | DNEL | 2.8 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | DNEL | 4.9 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 2-phenoxyethanol | 122-99-6 | DNEL | 8.07 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| 2-phenoxyethanol | 122-99-6 | DNEL | 34.72 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| 2-phenoxyethanol | 122-99-6 | DNEL | 8.07 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | DNEL | 8.07 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | DNEL | 12 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | DNEL | 82 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |

**• relevant PNECs of components of the mixture**

| Name of sub-stance | CAS No | End-point | Threshold level | Organism | Environ-mental com-partment | Exposure time |
|---|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.006 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.0006 mg/l | aquatic organisms | marine water | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 10 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

| Name of sub-stance | CAS No | End-point | Threshold level | Organism | Environ-mental com-partment | Exposure time |
|---|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.996 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.0996 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 11 mg/kg | aquatic organisms | water | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.196 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | PNEC | 0.018 mg/l | aquatic organisms | water | continuous |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.0115 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.00115 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 1 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.283 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.0283 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.223 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | PNEC | 0.115 mg/l | aquatic organisms | water | continuous |
| 2-phenoxyethanol | 122-99-6 | PNEC | 0.943 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 2-phenoxyethanol | 122-99-6 | PNEC | 0.0943 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 2-phenoxyethanol | 122-99-6 | PNEC | 24.8 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 2-phenoxyethanol | 122-99-6 | PNEC | 7.237 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-phenoxyethanol | 122-99-6 | PNEC | 0.7237 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 2-phenoxyethanol | 122-99-6 | PNEC | 1.26 mg/kg | terrestrial organisms | soil | short-term (single instance) |

| Name of sub-stance | CAS No | End-point | Threshold level | Organism | Environ-mental com-partment | Exposure time |
|---|---|---|---|---|---|---|
| 2-phenoxyethanol | 122-99-6 | PNEC | 3.44 mg/l | aquatic organisms | water | continuous |

## 8.2 Exposure controls

**Appropriate engineering controls**

Provide local exhaust or general room ventilation to minimize vapor concentrations.

**Individual protection measures (personal protective equipment)**

**Eye/face protection**

Use safety goggle with side protection.

**Skin protection**

**• hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**• type of material**

PVC: polyvinyl chloride, Nitrile rubber, Butyl rubber

**• material thickness**

> 0.5 mm.

**• breakthrough times of the glove material**

>480 minutes (permeation: level 6)

**• other protection measures**

Protective clothing against liquid chemicals.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Colour | colourless |
| Odour | characteristic |

**Other physical and chemical parameters**

| | |
|---|---|
| pH (value) | not determined |
| Melting point/freezing point | 0 °C |
| Initial boiling point and boiling range | >100 °C |
| Flash point | 62 °C |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |
| Explosive limits | not determined |
| Vapour pressure | >1 Pa |
| Density | 1.13 $^{g}/_{cm^3}$ at 20 °C |
| Vapour density | >1 (air=1) |
| Relative density | 1.13 water = 1 |
| Solubility(ies) | not determined |
| Water solubility | partially soluble |
| Partition coefficient | |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | 456 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidising properties | none |

### 9.2 Other information

Of no significance.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures.

**Physical stresses which might result in a hazardous situation and have to be avoided**

strong shocks

### 10.5 Incompatible materials

acids - bases - oxidizers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

**• as a result of heating**

carbon monoxide (CO) - carbon dioxide (CO2)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)**

**Acute toxicity**

Shall not be classified as acutely toxic.

**• Acute toxicity of components of the mixture**

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| 2-phenoxyethanol | 122-99-6 | oral | 1,850 |

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Summary of evaluation of the CMR properties**

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

**Specific target organ toxicity (STOT)**

Shall not be classified as a specific target organ toxicant.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxic to aquatic life.

**Aquatic toxicity (acute)**

**Aquatic toxicity (acute) of components of the mixture**

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | LC50 | 2.7 $^{mg}/_{l}$ | fish | 48 hours |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | EC50 | 2.8 $^{mg}/_{l}$ | aquatic invertebrates | 48 hours |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | ErC50 | >11 $^{mg}/_{l}$ | algae | 72 hours |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | LC50 | 30 $^{mg}/_{l}$ | fish | 96 hours |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | EC50 | 23.1 $^{mg}/_{l}$ | algae | 48 hours |
| 2-phenoxyethanol | 122-99-6 | LC50 | 344 $^{mg}/_{l}$ | fish | 96 hours |
| 2-phenoxyethanol | 122-99-6 | EC50 | >500 $^{mg}/_{l}$ | aquatic invertebrates | 48 hours |
| 2-phenoxyethanol | 122-99-6 | ErC50 | 625 $^{mg}/_{l}$ | algae | 72 hours |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | LC50 | 432 $^{mg}/_{l}$ | fish | 96 hours |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | EC50 | 906 $^{mg}/_{l}$ | aquatic invertebrates | 48 hours |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | ErC50 | 393 $^{mg}/_{l}$ | algae | 72 hours |

**Aquatic toxicity (chronic)**

May cause long-term adverse effects in the aquatic environment.

**Aquatic toxicity (chronic) of components of the mixture**

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | LC50 | 4.4 $^{mg}/_{l}$ | fish | 24 h |
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | EC50 | 4.6 $^{mg}/_{l}$ | aquatic invertebrates | 24 h |
| 2-phenoxyethanol | 122-99-6 | EC50 | >1,000 $^{mg}/_{l}$ | microorganisms | 30 min |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | EC50 | >947 $^{mg}/_{l}$ | aquatic invertebrates | 24 h |

## 12.2 Process of degradability

Data are not available.

**Degradability of components of the mixture**

| Name of substance | CAS No | Process | Degradation rate | Time |
|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | oxygen depletion | 5 % | 28 d |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | oxygen depletion | 47 % | 28 d |
| 2-phenoxyethanol | 122-99-6 | DOC removal | >90 % | 15 d |
| 2-phenoxyethanol | 122-99-6 | oxygen depletion | 90 % | 28 d |
| 2-phenoxyethanol | 122-99-6 | carbon dioxide generation | 75 % | 28 d |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | carbon dioxide generation | 87 % | 28 d |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | DOC removal | 95.3 % | 28 d |

## 12.3 Bioaccumulative potential

Data are not available.

**Bioaccumulative potential of components of the mixture**

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|---|---|---|---|---|
| bisphenol-A-epichlorohydrine, epoxyresin (average molecularweight ≤ 700) | 25068-38-6 | | 2.918 | |
| 1,6-hexanediol diglycidyl ether | 16096-31-4 | 3.57 | 0.822 | |
| 2-phenoxyethanol | 122-99-6 | 4.5 | 1.2 | |
| 2-(2-phenoxyethoxy)ethanol | 104-68-7 | | 1.35 | |

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

**Endocrine disrupting potential**

The mixture contains substance(s) with an endocrine disrupting potential.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings**

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### 13.2 Relevant provisions relating to waste

**List of wastes**

08 04 09x
waste adhesives and sealants containing organic solvents or other dangerous substances

### 13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

| | | |
|---|---|---|
| 14.1 | UN number | **3082** |
| 14.2 | UN proper shipping name | **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.** |
| | Hazardous ingredients | 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane |
| 14.3 | Transport hazard class(es) | |
| | Class | 9 (miscellaneous dangerous substances and articles) (environmentally hazardous) |
| 14.4 | Packing group | III (substance presenting low danger) |
| 14.5 | Environmental hazards | hazardous to the aquatic environment |

### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The cargo is not intended to be carried in bulk.

### 14.8 Information for each of the UN Model Regulations

**• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

| | |
|---|---|
| UN number | 3082 |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Class | 9 |
| Classification code | M6 |
| Packing group | III |
| Danger label(s) | 9 + "fish and tree" |

| | |
|---|---|
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Special provisions (SP) | 274, 335, 375, 601 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| Transport category (TC) | 3 |
| Tunnel restriction code (TRC) | E |
| Hazard identification No | 90 |

**• International Maritime Dangerous Goods Code (IMDG)**

| | |
|---|---|
| UN number | 3082 |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Class | 9 |
| Marine pollutant | yes (hazardous to the aquatic environment) |
| Packing group | III |
| Danger label(s) | 9 + "fish and tree" |

| | |
|---|---|
| Special provisions (SP) | 274, 335, 909 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-A, S-F |
| Stowage category | A |

**• International Civil Aviation Organization (ICAO-IATA/DGR)**

| | |
|---|---|
| UN number | 3082 |
| Proper shipping name | Environmentally hazardous substance, liquid, n.o.s. |
| Class | 9 |
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Packing group | III |
| Danger label(s) | 9 + "fish and tree" |

| | |
|---|---|
| Special provisions (SP) | A97, A158, 274 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 30 kg |

## SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)**

**• Restrictions according to REACH, Annex XVII**

None of the ingredients are listed.

**• List of substances subject to authorisation (REACH, Annex XIV)**

None of the ingredients are listed.

**Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II**

None of the ingredients are listed.

**Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

None of the ingredients are listed.

**Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)**

None of the ingredients are listed.

**National regulations (Switzerland)**

**Ordinance on the incentive tax on volatile organic compounds (VOCV)**

VOC content (object of taxation):

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---|---|
| Acute Tox. | acute toxicity |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Chronic | hazardous to the aquatic environment - chronic hazard |
| ATE | Acute Toxicity Estimate |
| BCF | BioConcentration Factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| COD | chemical oxygen demand |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EmS | Emergency Schedule |
| Eye Dam. | seriously damaging to the eye |
| Eye Irrit. | irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| log KOW | n-octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant) |
| N | dangerous for the environment |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | corrosive to skin |
| Skin Irrit. | irritant to skin |
| Skin Sens. | skin sensitisation |
| vPvB | very Persistent and very Bioaccumulative |
| Xi | irritant |
| Xn | harmful |

### Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 453/2010/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|---|---|
| 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 |
| H411 | toxic to aquatic life with long lasting effects |
| H412 | harmful to aquatic life with long lasting effects |
| R22 | harmful if swallowed |
| R36 | irritating to eyes |
| R36/38 | irritating to eyes and skin |
| R41 | risk of serious damage to eyes |
| R43 | may cause sensitisation by skin contact |
| R51/53 | toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R52/53 | harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.