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For purchasing information visit: Repair Care DRY FLEX SF



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179 Date of issue: 11-1-2013 Revision date: 2-4-2018 Supersedes: 30-5-2017 Version: 2.1

| Product form | 1 : | Mixture | | |
|---------------------------------------|---|--|-------------------------|--|
| Product name | : [| DRY FLEX® SF Component A | | |
| 1.2. Relevant | identified uses of the substance | e or mixture and uses advised | against | |
| 1.2.1. Relevant | identified uses | | | |
| Main use category | : 1 | ndustrial use,Professional use | | |
| Use of the substand | | Durable fine surface filler Product only to be used in combin | ation with component B. | |
| 1.2.2. Uses adv | vised against | | | |
| No additional inform | nation available. | | | |
| 1.3. Details o | f the supplier of the safety data | sheet | | |
| Repair Care Interna | tional | | | |
| Cartografenweg 34 5141 MT Waalwijk | Nederland | | | |
| | 95 - F + 31(0) 416 652024 | | | |
| nfo@repair-care.co | m - www.repair-care.com | | | |
| 1.4. Emergen | cy telephone number | | | |
| Country | Organisation/Company | Address | Emergency number | Remark |
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0344 892 0111 | Only for the purpose of informing medical personne in cases of acute |

Classification of the substance or mixture 2.1.

Classification according to Regulation (EC) No. 1272/2008 [CLP] with its amendment Regulation (EU) 2016/1179

| Skin corrosion/irritation, Category 2 | H315 |
|---|------|
| Serious eye damage/eye irritation, Category 2 | H319 |
| Skin sensitisation, Category 1 | H317 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 | H411 |
| Full text of H statements : see section 16 | |

Adverse physicochemical, human health and environmental effects

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

| 2.2. Label elements | |
|--|---|
| Labelling according to Regulation (EC) No. 1 | 272/2008 [CLP] with its amendment Regulation (EU) 2016/1179 |
| Hazard pictograms (CLP) | : GHS07 GHS09 |
| Signal word (CLP) | : Warning |
| Hazardous ingredients | : oxirane, mono[(C12-14-alkyloxy)methyl] derivs.; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) |
| Hazard statements (CLP) | 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. |
| Precautionary statements (CLP) | P261 - Avoid breathing Vapours. P264 - Wash hands and forearms thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. |
| 2-4-2018 | EN (English) 1/1 |

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| | P280 - Wear eye protection, protective clothing, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. |
|--------------------------------|--|
| EUH-statements | : EUH205 - Contains epoxy constituents. May produce an allergic reaction. |
| Hazard pictograms (CLP) | |
| Signal word (CLP) | GHS07 GHS09 : Warning |
| Hazardous ingredients | oxirane, mono[(C12-14-alkyloxy)methyl] derivs.; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) |
| Hazard statements (CLP) | : H317 - May cause an allergic skin reaction. |
| Precautionary statements (CLP) | P261 - Avoid breathing Vapours. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear eye protection, protective clothing, protective gloves. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. |
| EUH-statements | : EUH205 - Contains epoxy constituents. May produce an allergic reaction. |

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

| SECTION 3: Composition/information on ingredients | SECTION 3: Com | position/information | on ingredients |
|--|----------------|----------------------|----------------|
|--|----------------|----------------------|----------------|

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] with its amendment Regulation (EU) 2016/1179 |
|--|--|------------------|--|
| reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) | (CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26 | < 50 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol | (CAS-No.) 9003-36-5 (EC-No.) 500-006-8 (REACH-no) 01-2119454392-40 | < 25 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Talc substance with national workplace exposure limit(s) (GB) | (CAS-No.) 14807-96-6 (EC-No.) 238-877-9 (REACH-no) 01-2120140278-58 | < 20 | Not classified |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | (CAS-No.) 68609-97-2 (EC-No.) 271-846-8 (EC Index-No.) 603-103-00-4 (REACH-no) 01-2119485289-22 | < 15 | Skin Irrit. 2, H315 Skin Sens. 1, H317 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|--|--|---|
| reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) | (CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26 | (C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319 |

Comments

: Without VOC (volatile organic compounds)

Full text of H-phrases: see section 16

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

| 4.1. Description of first aid measures | |
|---|--|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention you feel unwell. |
| First-aid measures after skin contact | : Take off contaminated clothing. Wash with plenty of water/ If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attentic |
| First-aid measures after ingestion | : Rinse mouth. Do not induce vomiting without medical advice. Obtain emergency medical attention. |
| 4.2. Most important symptoms and effec | ts, both acute and delayed |
| Symptoms/effects after skin contact | : Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Eye irritation. |
| 4.3. Indication of any immediate medical | attention and special treatment needed |
| Treat symptomatically. | |
| SECTION 5: Firefighting measures | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
| 5.2. Special hazards arising from the sul | ostance or mixture |
| Fire hazard | : Presents no particular fire or explosion hazard. |
| Hazardous decomposition products in case of | : Carbon oxides (CO, CO2). |
| fire | |
| 5.3. Advice for firefighters | |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| .1. Personal precautions, protective eq | upment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| 6.1.1. For non-emergency personnel | uipment and emergency procedures : Evacuate unnecessary personnel. |
| 6.1.1. For non-emergency personnel Emergency procedures | |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders | |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment | : Evacuate unnecessary personnel. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures | Evacuate unnecessary personnel.Equip cleanup crew with proper protection. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions | Evacuate unnecessary personnel.Equip cleanup crew with proper protection. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containme | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containme Methods for cleaning up | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containmed Methods for cleaning up Other information | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containmed Methods for cleaning up Other information 6.4. Reference to other sections | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containmed Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containmed Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose SECTION 7: Handling and storage | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containme Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose SECTION 7: Handling and storage 7.1. Precautions for safe handling | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containme Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Exposu SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. ure controls/personal protection". Concerning disposal elimination after cleaning, see section 13. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and sk |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containmed Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Handling temperature | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. ent and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. ure controls/personal protection". Concerning disposal elimination after cleaning, see section 13. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and sk contact and do not breathe vapour and mist. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containment Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Exposutions SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Handling temperature Hygiene measures | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. nt and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. ure controls/personal protection". Concerning disposal elimination after cleaning, see section 13. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and ski contact and do not breathe vapour and mist. 5 - 50 °C Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Take off contaminated clothing and wash before reuse. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containment Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Handling temperature Hygiene measures 7.2. Conditions for safe storage, includir | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. nt and cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. ure controls/personal protection". Concerning disposal elimination after cleaning, see section 13. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and sk contact and do not breathe vapour and mist. 5 - 50 °C Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Take off contaminated clothing and wash before reuse. |
| 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment Emergency procedures 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify 6.3. Methods and material for containment Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 8: "Expose SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Handling temperature Hygiene measures | Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. v authorities if product enters sewers or public waters. authorities if product enters sewers or public waters. Clean up any spills as soon as possible, using an absorbent material to collect it. Scoop absorbed substance into closing containers. Store away from other materials. Dispose of materials or solid residues at an authorized site. ure controls/personal protection". Concerning disposal elimination after cleaning, see section 13. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and secontact and do not breathe vapour and mist. 5 - 50 ℃ Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Take off contaminated clothing and wash before reuse. |

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Storage temperature

: 10 - 30 ℃

Heat and ignition sources

eat and ignition sources

: Keep away from heat and direct sunlight.

7.3. Specific end use(s) Industrial. Professional.

| SECTION 8: Exposure controls/personal protection | | | | | |
|--|------------------------------|-------------------------------------|--|--|--|
| 8.1. Control parameters | | | | | |
| Talc (14807-96-6) | | | | | |
| United Kingdom | Local name | Talc | | | |
| United Kingdom | WEL TWA (mg/m ³) | 1 mg/m ³ respirable dust | | | |
| United Kingdom | Regulatory reference | EH40. HSE | | | |

8.2. Exposure controls

Personal protective equipment:

Protective clothing. Gloves. Protective goggles.

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent).

| Туре | Material | Permeation | Thickness (mm) | Penetration | Standard |
|------|--|-------------------|----------------|-------------|----------|
| | nitrile rubber (NBR), butyl rubber, Polyvinylchloride (PVC) | 6 (> 480 minutes) | 0.11 | | EN 374 |

Eye protection:

Use splash goggles when eye contact due to splashing is possible

| Туре | Use | Characterizations | Standard |
|--------------------|---------|-------------------|----------|
| Protective goggles | Droplet | | EN 166 |

Skin and body protection:

Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. EN 143



Other information:

Do not eat, drink or smoke during use.

| SECTION 9: Physical and chemical properties | | |
|--|----------------------|--|
| 9.1. Information on basic physical and chemical properties | | |
| Physical state | : Liquid | |
| Appearance | : Paste. | |
| Colour | : Beige. | |
| Odour | : characteristic. | |
| Odour threshold | : No data available. | |
| pH | : No data available. | |
| Relative evaporation rate (butylacetate=1) | : No data available. | |
| Melting point | : <0 ℃ | |
| Freezing point | : No data available. | |
| Boiling point | : > 200 °C | |
| Flash point | : > 93 ℃ | |
| Auto-ignition temperature | : No data available. | |
| | | |

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| Decomposition temperature | : No data available. |
|----------------------------------|----------------------------|
| Flammability (solid, gas) | : No data available. |
| Vapour pressure | : No data available. |
| Relative vapour density at 20 °C | : 1 |
| Relative density | : 1,44 |
| Solubility | : Poorly soluble in water. |
| Log Pow | : No data available. |
| Viscosity, kinematic | : No data available. |
| Viscosity, dynamic | : No data available. |
| Explosive properties | : No data available. |
| Oxidising properties | : No data available. |
| Explosive limits | : No data available. |

9.2. Other information

No additional information available.

| SECTION 10: Stability and reactivity |
|--|
| 10.1. Reactivity |
| Stable under normal conditions of use. |
| 10.2. Chemical stability |
| Stable under normal conditions. |
| 10.3. Possibility of hazardous reactions |
| No dangerous reactions known under normal conditions of use. |
| 10.4. Conditions to avoid |
| Extremely high or low temperatures. |
| 10.5. Incompatible materials |
| Strong acids. Strong bases. Strong oxidation agent. |
| 10.6. Hazardous decomposition products |
| Combustion generates: Carbon oxides (CO, CO2). |

| SECTION 11: Toxicological information | | | |
|---|--|--|--|
| 11.1. Information on toxicological e | effects | | |
| Acute toxicity (oral) | : Not classified | | |
| Acute toxicity (dermal) | : Not classified | | |
| Acute toxicity (inhalation) | : Not classified | | |
| oxirane, mono[(C12-14-alkyloxy)meth | nyl] derivs. (68609-97-2) | | |
| LD50 dermal rat | 26800 mg/kg | | |
| Formaldehyde, oligomeric reaction p | roducts with 1-chloro-2,3-epoxypropane and phenol (9003-36-5) | | |
| LD50 oral rat | > 10000 mg/kg | | |
| LD50 dermal rat | > 2000 mg/kg | | |
| reaction product: bisphenol-A-(epich | lorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6) | | |
| LD50 oral rat | 15000 mg/kg | | |
| LD50 dermal rabbit | 23000 mg/kg | | |
| Skin corrosion/irritation | : Causes skin irritation. | | |
| Serious eye damage/irritation | : Causes serious eye irritation. | | |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. | | |
| Germ cell mutagenicity | : Not classified | | |
| Carcinogenicity | : Not classified | | |
| oxirane, mono[(C12-14-alkyloxy)meth | nyl] derivs. (68609-97-2) | | |
| NOAEL (chronic, oral, animal/male, 2 ye | ears) 100 mg/kg bodyweight | | |
| Formaldehyde, oligomeric reaction p | roducts with 1-chloro-2,3-epoxypropane and phenol (9003-36-5) | | |
| NOAEL (chronic, oral, animal/male, 2 ye | ears) 250 mg/kg bodyweight | | |
| Reproductive toxicity | : Not classified | | |
| STOT-single exposure | : Not classified | | |
| 0.4.0040 | | | |

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| STOT-repeated exposure | : Not classified |
|------------------------|------------------|
| Aspiration hazard | : Not classified |

| SECTION 12: Ecological inform | ation | |
|--|--|--|
| 12.1. Toxicity | | |
| Ecology - water | : Toxic to aquatic life with long lasting effects. | |
| Acute aquatic toxicity | : Not classified | |
| Chronic aquatic toxicity | : Toxic to aquatic life with long lasting effects. | |
| oxirane, mono[(C12-14-alkyloxy)methy | /l] derivs. (68609-97-2) | |
| LC50 other aquatic organisms 1 | 96hr > 5000 mg/l leuciscus idus (OECD 203) | |
| EC50 Daphnia 1 | 48hr 6,07 mg/l OECD 202 | |
| ErC50 (algae) | 72hr 843,75 mg/l OECD 201 | |
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5) | | |
| LC50 other aquatic organisms 1 | 96hr 2,54 mg/l leuciscus idus | |
| EC50 Daphnia 1 | 2,55 mg/l | |
| ErC50 (algae) | 48hr 1,8 mg/l | |
| reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6) | | |
| LC50 other aquatic organisms 2 | 96hr 2 mg/l leuciscus idus | |
| EC50 Daphnia 1 | 48hr 1,8 mg/l | |
| ErC50 (algae) | 72hr 11 mg/l | |

12.2. Persistence and degradability

| Persistence and degradability | legradability Readily biodegradable. | | |
|--|--------------------------------------|--|--|
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5) | | | |
| Persistence and degradability | not readily degradable in water. | | |
| 12.3. Bioaccumulative potential | | | |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2) | | | |
| Log Pow | 3,77 OECD 107 | | |
| Bioaccumulative potential | not bioaccumulative. | | |

Nie entellikte entellige formen klasse entellige

No additional information available.

| 12.5. | Results of PBT and vPvB assessment | | | |
|--|--|--|--|--|
| DRY FL | EX® SF Component A | | | |
| This sub | ostance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | | | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | | | | |

12.6.Other adverse effectsAdditional information

: Avoid release to the environment.

| SECTION 13: Disposal considerations | | | |
|--|---|--|--|
| 13.1. Waste treatment methods | | | |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. | | |
| Additional information | : Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. | | |
| Ecology - waste materials | : Avoid release to the environment. | | |
| European List of Waste (LoW) code | : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances | | |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | ΙΑΤΑ | ADN | RID |
|-------------------------------|---------------------|--------------------|--------------------|---------------------|
| 14.1. UN number | | | | |
| 3082 | 3082 | 3082 | 3082 | 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY | ENVIRONMENTALLY | ENVIRONMENTALLY | ENVIRONMENTALLY | ENVIRONMENTALLY |
| HAZARDOUS | HAZARDOUS | HAZARDOUS | HAZARDOUS | HAZARDOUS |
| SUBSTANCE, LIQUID, | SUBSTANCE, LIQUID, | SUBSTANCE, LIQUID, | SUBSTANCE, LIQUID, | SUBSTANCE, LIQUID, |
| SUBSTANCE, LIQUID, | SUBSTAINCE, LIQUID, | SUBSTANCE, LIQUID, | SUBSTANCE, LIQUID, | SUBSTAINCE, LIQUID, |

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| ADR | IMDG | IATA | ADN | RID |
|---|--|---|---|---|
| N.O.S. (CONTAINS ; reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol) | N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol) | N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol) | N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol) | N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol) |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol), 9, III, (E) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol), 9, III, MARINE POLLUTANT | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ;reaction product: bisphenol-A- (epichlorhydrin), epoxy resin (number average molecular weight < 700) ; Formaldehyde, oligomeric reaction products with 1- chloro-2,3-epoxypropane and phenol), 9, III |
| 14.3. Transport hazard | | - | - | 1 |
| 9 | 9 | 9 | 9 | 9 |
| | | | | |
| 14.4. Packing group | | | | |
| | | III | Ш | |
| 14.5. Environmental ha | Dangerous for the | Dangerous for the | Dangerous for the | Dangerous for the |
| environment : Yes | environment : Yes Marine pollutant : Yes | environment : Yes | environment : Yes | environment : Yes |
| No supplementary information available. | | | | |

14.6. Special precautions for user

- Overland transport

| Classification code (ADR) | : M6 |
|--|---------------------------|
| Special provisions (ADR) | : 274, 335, 601, 375 |
| Limited quantities (ADR) | : 51 |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |

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:

90

Orange plates

| | 90 |
|--|---------------------------|
| | 2002 |
| | 3082 |
| Tunnel restriction code (ADR) | : E |
| Towns and because | |
| - Transport by sea | 074 005 000 |
| Special provisions (IMDG) | : 274, 335, 969 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P001, LP01 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP2, TP29 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |
| Stowage category (IMDG) | : A |
| MFAG-No | : 171 |
| - Air transport | |
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y964 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 964 |
| PCA max net quantity (IATA) | : 450L |
| CAO packing instructions (IATA) | : 964 |
| CAO max net quantity (IATA) | : 450L |
| Special provisions (IATA) | : A97, A158, A197 |
| ERG code (IATA) | : 9L |
| - Inland waterway transport | |
| Classification code (ADN) | : M6 |
| Special provisions (ADN) | : 274, 335, 375, 601 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Carriage permitted (ADN) | : Т |
| Equipment required (ADN) | : PP |
| Number of blue cones/lights (ADN) | : 0 |
| - Rail transport | |
| Classification code (RID) | : M6 |
| Special provisions (RID) | : 274, 335, 375, 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | : PP1 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions | : T4 |
| (RID) | |
| Portable tank and bulk container special | : TP1, TP29 |
| provisions (RID) | |
| Tank codes for RID tanks (RID) | : LGBV |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Special provisions for carriage - Loading, | : CW13, CW31 |
| unloading and handling (RID) | |
| Colis express (express parcels) (RID) | : CE8 |
| Hazard identification number (RID) | : 90 |
| | |

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

: E2 Hazardous to the Aquatic Environment in Category Chronic 2

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Revised safety data sheet in accordance with commission regulation (EU) No 2016/1179.

| Section | Changed item | Change | Comments |
|---------|---------------|----------|----------|
| | Supersedes | Modified | |
| | Revision date | Modified | |

| Abbreviations an | d acronyms: | | | | |
|-------------------|---|--|--|--|--|
| SDS | Safety Data Sheet | | | | |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 | | | | |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 | | | | |
| PBT | Persistent Bioaccumulative Toxic | | | | |
| vPvB | Very Persistent and Very Bioaccumulative | | | | |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | | | | |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | | | | |
| IATA | International Air Transport Association | | | | |
| IMDG | International Maritime Dangerous Goods | | | | |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail | | | | |
| LC50 | Median lethal concentration | | | | |
| LD50 | Median lethal dose | | | | |
| CAS | CAS (Chemical Abstracts Service) number | | | | |
| EG-nr | EINECS- en ELINCS-number | | | | |
| EINECS | European Inventory of Existing Commercial Substances | | | | |
| OEL | Occupational Exposure Limit | | | | |
| Data sources | : according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179. | | | | |
| Other informatior | REACH Disclaimer: This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim | | | | |

Full text of H- and EUH-statements:

| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 | | |
|-------------------|---|--|--|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 | | |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 | | |
| Skin Sens. 1 | Skin sensitisation, Category 1 | | |
| H315 | Causes skin irritation. | | |

liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may

not be applicable.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2016/1179

| H317 | May cause an | May cause an allergic skin reaction. | | |
|---|----------------|--|--|--|
| H319 | Causes seriou | Causes serious eye irritation. | | |
| H411 | Toxic to aquat | Toxic to aquatic life with long lasting effects. | | |
| EUH205 | Contains epo> | Contains epoxy constituents. May produce an allergic reaction. | | |
| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | | | |
| Skin Irrit. 2 | H315 | Calculation method | | |
| Eye Irrit. 2 | H319 | Calculation method | | |
| Skin Sens. 1 | H317 | Calculation method | | |
| Aquatic Chronic 2 | H411 | Calculation method | | |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product