

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

Issue date: 3/13/2023 Revision date: 3/13/2023 Supersedes version of: 7/12/2019 Version: 5.00

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : MINPUR EP-W 15 Top Mattsiegel Komponente A

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Sealing  
Coating  
Epoxy resin

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer/Supplier

SYNFOLA GmbH  
Seestrasse 24 C  
8806 Bäch SZ  
Schweiz  
T +41 (0)55 283 36 90 - F +41 (0)55 283 36 91

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| 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- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

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

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Contains :

4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with polyethylene glycol, bis-[4-(2,3-epoxipropoxy)phenyl]propane

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.

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

|                                |  |
|--------------------------------|--|
| Precautionary statements (CLP) | : P261 - Avoid breathing vapours, mist.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P280 - Wear protective gloves, protective clothing, eye protection.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P391 - Collect spillage. |
| EUH-statements                 | : EUH205 - Contains epoxy constituents. May produce an allergic reaction.  |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component  |   |
|--|---|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with polyethylene glycol (-) | PBT: not yet assessed<br>vPvB: not yet assessed   |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Mixture of the substances listed below with non-hazardous additives

| Name   | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]                            |
|--|--|------------------|--|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane  | CAS-No.: 1675-54-3<br>EC-No.: 216-823-5<br>EC Index-No.: 603-073-00-2<br>REACH-no: 01-2119456619-26-xxxx | $\geq 25 - < 50$ | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |
| 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with polyethylene glycol | CAS-No.: -<br>EC-No.: 933-878-7  | $\geq 10 - < 20$ | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                            |

### Specific concentration limits:

| Name                                    | Product identifier   | Specific concentration limits   |
|---|--|---|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane | CAS-No.: 1675-54-3<br>EC-No.: 216-823-5<br>EC Index-No.: 603-073-00-2<br>REACH-no: 01-2119456619-26-xxxx | ( 5 $\leq$ C $\leq$ 100) Skin Irrit. 2, H315<br>( 5 $\leq$ C $\leq$ 100) Eye Irrit. 2, H319 |

Full text of H- and EUH-statements: see section 16

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : In all cases of doubt, or when symptoms persist, seek medical attention.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Gently wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                                    |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth out with water. Do not induce vomiting. Get immediate medical advice/attention.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : 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. (decontamination, vital functions).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : Strong water jet.  |

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

|  |   |
|--|---|
| Hazardous decomposition products in case of fire | : Fire will produce dense black smoke. Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. |
|--|---|

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Other information              | : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.     |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Wear personal protective equipment.   |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours, mist. |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

#### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid sub-soil penetration. Prevent entry to sewers and public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | : Collect spillage.   |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. |
| Other information       | : Disposal must be done according to official regulations.  |

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours, mist. Never use pressure to empty container.                          |
| Hygiene measures              | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

|  |  |
|--|--|
| Storage conditions                                       | : Product must only be kept in the original packaging. Store tightly closed in a dry and cool place.                     |
| Storage temperature                                      | : 15 – 30 °C   |
| Information about storage in one common storage facility | : Keep away from food, drink and animal feeding stuffs. Store away from Strong acids, Strong oxidizing agent, alkalines. |
| Storage area   | : Keep away from heat and direct sunlight.   |

### 7.3. Specific end use(s)

For professional users only.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| <b>bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)</b> |                           |
|--|---------------------------|
| <b>DNEL/DMEL (Workers)</b>                                 |                           |
| Long-term - systemic effects, dermal                       | 0.75 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                   | 4.93 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>                      |                           |
| Long-term - systemic effects, oral                         | 0.5 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                   | 0.87 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal                       | 89.3 µg/kg                |
| <b>PNEC (Water)</b>  |                           |
| PNEC aqua (freshwater)                                     | 0.006 mg/l                |
| PNEC aqua (marine water)                                   | 0.001 mg/l                |
| PNEC aqua (intermittent, freshwater)                       | 0.018 mg/l                |

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

|  |                 |
|--|-----------------|
| PNEC aqua (intermittent, marine water) | 0.002 mg/l      |
| <b>PNEC (Sediment)</b>                 |                 |
| PNEC sediment (freshwater)             | 0.341 mg/kg dwt |
| PNEC sediment (marine water)           | 0.034 mg/kg dwt |
| <b>PNEC (Soil)</b>                     |                 |
| PNEC soil                              | 0.065 mg/kg dwt |
| <b>PNEC (Oral)</b>                     |                 |
| PNEC oral (secondary poisoning)        | 11 mg/kg food   |
| <b>PNEC (STP)</b>                      |                 |
| PNEC sewage treatment plant            | 10 mg/l         |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear closed safety glasses. ISO 16321-1

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. EN ISO 13688. EN 13034. Antistatic clothing

##### Hand protection:

Chemically resistant protective gloves. ISO 374-1. Nitrile rubber gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. In case of repeated or prolonged contact wear gloves

| Hand protection                        |                |                   |                |                                     |            |
|--|----------------|-------------------|----------------|-------------------------------------|------------|
| Type                                   | Material       | Permeation        | Thickness (mm) | Penetration                         | Standard   |
| Chemically resistant protective gloves | Nitrile rubber | 6 (> 480 minutes) | > 0,08 mm      | No additional information available | EN ISO 374 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter. Filter A (colour code: brown). EN 143. . Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid                                   |
| Colour  | : colourless. light yellow.                |
| Appearance                                      | : Viscous.                                 |
| Odour   | : characteristic.                          |
| Odour threshold                                 | : Not available                            |
| Melting point                                   | : Not applicable                           |
| Freezing point                                  | : Not available                            |
| Boiling point                                   | : > 200 °C                                 |
| Flammability                                    | : Not applicable                           |
| Explosive properties                            | : Not explosive. Product is not explosive. |
| Oxidising properties                            | : Non oxidizing.                           |
| Explosive limits                                | : Not applicable                           |
| Lower explosion limit                           | : Not available                            |
| Upper explosion limit                           | : Not available                            |
| Flash point                                     | : > 150 °C                                 |
| Auto-ignition temperature                       | : Not self-igniting                        |
| Decomposition temperature                       | : Not available                            |
| pH  | : Not available                            |
| Viscosity, kinematic                            | : < 80 mm <sup>2</sup> /s (40 °C)          |
| Solubility                                      | : Water: Partially soluble                 |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                            |
| Vapour pressure                                 | : 23 mbar (20 °C)                          |
| Vapour pressure at 50°C                         | : Not available                            |
| Density   | : 1.08 g/cm <sup>3</sup> (20 °C)           |
| Relative density                                | : Not available                            |
| Relative vapour density at 20°C                 | : Not available                            |
| Particle characteristics                        | : Not applicable                           |

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available

##### 9.2.2. Other safety characteristics

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Exothermic reaction on contact with : Strong alkalis, Strong acids, Strong oxidizing agent.

#### 10.4. Conditions to avoid

heat.

#### 10.5. Incompatible materials

Strong acids. Strong oxidizing agent. Bases.

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |   |
|-----------------------------------|---|
| Acute toxicity (oral)             | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)           | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation)       | : Not classified (Based on available data, the classification criteria are not met) |
| 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 (Based on available data, the classification criteria are not met) |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity             | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard                 | : Not classified (Based on available data, the classification criteria are not met) |

### MINPUR EP-W 15 Top Mattsiegel Komponente A

|                      |                                 |
|----------------------|---------------------------------|
| Viscosity, kinematic | < 80 mm <sup>2</sup> /s (40 °C) |
|----------------------|---------------------------------|

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : Toxic to aquatic life with long lasting effects.                                  |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects.                                  |

### bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

|                        |   |
|------------------------|---|
| LC50 - Fish [1]        | 1.75 mg/l (96 h; Oncorhynchus mykiss; (OECD 203 method))      |
| EC50 - Crustacea [1]   | 2.8 mg/l (48 h; Daphnia magna; (OECD 202 method))             |
| ErC50 algae            | > 11 mg/l (72 h; Scenedesmus capricornutum; EPA-660/3-75-009) |
| NOEC chronic crustacea | 0.3 mg/l (21 d; Daphnia magna; (OECD 211 method))             |
| NOEC chronic algae     | 4.2 mg/l (72 h; Scenedesmus capricornutum; EPA-660/3-75-009)  |

### 12.2. Persistence and degradability

### MINPUR EP-W 15 Top Mattsiegel Komponente A

|                               |  |
|-------------------------------|--|
| Persistence and degradability | Not readily biodegradable. (based on the single components). |
|-------------------------------|--|

### bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

|                               |                                |
|-------------------------------|--------------------------------|
| Persistence and degradability | Not readily biodegradable.     |
| Biodegradation                | 5 % (28 d; (OECD 301F method)) |

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### 12.3. Bioaccumulative potential

| MINPUR EP-W 15 Top Mattsiegel Komponente A                 |   |
|--|---|
| BCF - Fish [1]   | 100 – 3000  |
| <b>bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)</b> |   |
| BCF - Other aquatic organisms [1]                          | 31 l/kg (Quantitative structure-activity relationship (QSAR)) |
| Partition coefficient n-octanol/water (Log Pow)            | 7.1   |
| Bioaccumulative potential                                  | not bioaccumulable.   |

### 12.4. Mobility in soil

| <b>bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)</b> |   |
|--|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.65 (20 °C; Quantitative structure-activity relationship (QSAR)) |
| Ecology - soil   | Product adsorbs little onto the soil.                             |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Waste treatment methods                    | : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.   |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | : Recycle or dispose of in compliance with current legislation.  |
| HP Code                                    | : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.<br>HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |
| Switzerland - Recommendations              | : Disposal according to the Technical Ordinance on Waste (TVA), the Ordinance on Movements of Waste (VeVA) and the DETEC Ordinance concerning lists for the movement of wastes (LVA).  |
| Switzerland - Waste code (VeVA)            | : 17 08 01 - [S] Gypsum-based construction materials contaminated with dangerous substances<br>20 01 27 - [S] Paint, inks, adhesives, and resins containing dangerous substances   |

## SECTION 14: Transport information

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

| ADR                                 | IMDG    | IATA    | ADN     | RID     |
|-------------------------------------|---------|---------|---------|---------|
| <b>14.1. UN number or ID number</b> |         |         |         |         |
| UN 3082                             | UN 3082 | UN 3082 | UN 3082 | UN 3082 |



# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

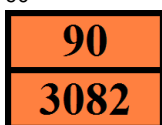
Chemicals Ordinance (SR 813.11)

| 14.2. UN proper shipping name  |   |   |   |   |
|--|---|---|---|---|
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)                                   | Environmentally hazardous substance, liquid, n.o.s. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane)                 |
| Transport document description   |   |   |   |   |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane), 9, III |
| 14.3. Transport hazard class(es)   |   |   |   |   |
| 9  | 9   | 9   | 9   | 9   |
|  |   |   |   |   |
| 14.4. Packing group  |   |   |   |   |
| III  | III   | III   | III   | III   |
| 14.5. Environmental hazards  |   |   |   |   |
| Dangerous for the environment: Yes   | Dangerous for the environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  |
| No supplementary information available   |   |   |   |   |

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : M6  
 Special provisions (ADR) : 274, 335, 375, 601  
 Limited quantities (ADR) : 5I  
 Excepted quantities (ADR) : E1  
 Transport category (ADR) : 3  
 Hazard identification number (Kemler No.) : 90  
 Orange plates :



Tunnel restriction code (ADR) : -

### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
 Limited quantities (IMDG) : 5 L  
 Excepted quantities (IMDG) : E1  
 EmS-No. (Fire) : F-A  
 EmS-No. (Spillage) : S-F

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### 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 max net quantity (IATA)                  | : 450L            |
| Special provisions (IATA)                    | : A97, A158, A197 |

### 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)  | : T                  |

### Rail transport

|                                    |                      |
|------------------------------------|----------------------|
| Classification code (RID)          | : M6                 |
| Special provisions (RID)           | : 274, 335, 375, 601 |
| Limited quantities (RID)           | : 5L                 |
| Excepted quantities (RID)          | : E1                 |
| Transport category (RID)           | : 3                  |
| Hazard identification number (RID) | : 90                 |

### 14.7. Maritime transport in bulk according to IMO instruments

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

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work.

#### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |   |
|--|---|
| Reference code                         | Applicable on   |
| 3(b)                                   | MINPUR EP-W 15 Top Mattsiegel Komponente A ; 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with polyethylene glycol ; bis-[4-(2,3-epoxipropoxi)phenyl]propane |
| 3(c)                                   | MINPUR EP-W 15 Top Mattsiegel Komponente A ; bis-[4-(2,3-epoxipropoxi)phenyl]propane  |

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer):  
Tetrachlorodifluoroethane (-)

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

### Seveso Directive (Disaster Risk Reduction)

| Seveso III Part I (Categories of dangerous substances)        | Qualifying quantity (tonnes) |            |
|---|------------------------------|------------|
|   | Lower-tier                   | Upper-tier |
| E2 Hazardous to the Aquatic Environment in Category Chronic 2 | 200                          | 500        |

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### Switzerland

National regulations

: Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2): Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young.

Water Protection Ordinance (SR 814.201)

: Class A

Storage class (LK)

: LK 10/12 - Liquids

Major Accidents Ordinance (SR 814.012)

: Annex 1, number 4

CH - VOC (SR 814.018)

: ≈ 0.25 %

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | General revision   |          |          |
| 2.2                   | Labelling according to Regulation (EC) No. 1272/2008 [CLP] | Modified |          |
| 3.2                   | REACH registration No                                      | Added    |          |
| 12.                   | Ecological information                                     | Modified |          |

### Abbreviations and acronyms:

|      |   |
|------|---|
| 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             |
| ATE  | Acute Toxicity Estimate   |
| BCF  | Bioconcentration factor   |
| CLP  | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL | Derived Minimal Effect level  |
| DNEL | Derived-No Effect Level   |
| EC50 | Median effective concentration  |
| IARC | International Agency for Research on Cancer   |

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

|         |   |
|---------|---|
| IATA    | International Air Transport Association   |
| IMDG    | International Maritime Dangerous Goods  |
| LC50    | Median lethal concentration   |
| LD50    | Median lethal dose  |
| LOAEL   | Lowest Observed Adverse Effect Level  |
| NOAEC   | No-Observed Adverse Effect Concentration  |
| NOAEL   | No-Observed Adverse Effect Level  |
| NOEC    | No-Observed Effect Concentration  |
| OECD    | Organisation for Economic Co-operation and Development  |
| PBT     | Persistent Bioaccumulative Toxic  |
| PNEC    | Predicted No-Effect Concentration   |
| REACH   | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS     | Safety Data Sheet   |
| STP     | Sewage treatment plant  |
| TLM     | Median Tolerance Limit  |
| vPvB    | Very Persistent and Very Bioaccumulative  |
| CAS-No. | Chemical Abstract Service number  |

Data sources : European Chemicals Agency, <http://echa.europa.eu/>. Information provided by the manufacturer. Supplier Safety Data Sheet.

Department issuing data specification sheet: : KFT Chemieservice GmbH  
Im Leuschnerpark 3  
D-64347 Griesheim

Phone: +49 6155-8981-400  
Fax: +49 6155 8981-500  
SDS Service: +49 6155 8981-522

Contact person : Dr. Sonja Fischer

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| EUH205                              | Contains epoxy constituents. May produce an allergic reaction.    |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| 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.                  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |

| 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 |

# MINPUR EP-W 15 Top Mattsiegel Komponente A

## Safety Data Sheet

Chemicals Ordinance (SR 813.11)

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Sens. 1      | H317 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

KFT SDS EU 00

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.