

# SAFETY DATA SHEET

date of issue: 20.09.2023

VERSION: 1.0/EN

## Plint Massa Component A

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### 1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

**Plint Massa Component A****UFI: 3820-30R8-M00W-1W68**

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

Identified uses Curing Agent

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU 22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against: Other than those indicated in the identified use

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

**Eurostep Poland Sp. z o.o.**

95-054 Ksawerów

ul. Tymiankowa 37/39; Poland

Tel.: (42) 235-28-88

www.eurostep.com.pl

Product technical information: eurostep@eurostep.com.pl

#### 1.4 Emergency telephone number

Nationwide emergency telephones (**Mon-Fri 8:00 – 16:00**): **(+48) (42) 235-28-88**

112 (emergency telephone number)

| Emergency telephone number |  |   |                                      |   |
|----------------------------|--|---|--------------------------------------|---|
| Country                    | Official advisory body   | Address   | Emergency number                     | Remark  |
| Austria                    | Vergiftungsinformationszentrale (Poisons Information Centre)   | Stubenring 6<br>1010 Wien   | +43 1 406 43 43                      |   |
| Belgium                    | Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base – Reine Astrid  | Rue Bruyn 1 B -1120<br>Bruxelles/Brussel                          | +32 70 245 245                       | Please dial: 070 245245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |
| Bulgaria                   | Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov" | 21 Totleben Boulevard<br>1606 SOFIA                               | +359 2 9154 409                      |   |
| Croatia                    | Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada   | Ksaverska Cesta 2 p.p. 291<br>10000 Zagreb                        | +385 1 234 8342                      |   |
| Cyprus                     | Κέντρο Δηλητηριάσεων   |   | 1401                                 | Operating hours 24 hours / 24 hours, 7 days a week  |
| Czech Republic             | Toxikologickéinformačnístředisko<br>Klinikapracovníholékařství VFN a 1. LF UK  | Na Bojišti 1<br>120 00 Praha 2                                    | +420 224 919 293<br>+420 224 915 402 |   |
| Denmark                    | Gifflinjen Bispebjerg Hospital   | Bispebjerg Bakke 23<br>2400 København NV                          | +45 82 12 12 12                      |   |
| Estonia                    | Mürgistusteabekeskus   | Gonsiori 29<br>15027 Tallinn                                      | 16662<br>+372 626 93 90              |   |
| Finland                    | Myrkytystietokeskus  | Stenbäckinkatu 9<br>PO BOX 100 29 Helsinki                        | +358 9 471 977<br>+358 9 4711        |   |
| France                     | Centre Antipoison et de Toxicovigilance de Paris<br>Hôpital Fernand Widal  | 200 rue du Faubourg<br>Saint-Denis<br>75475 Paris Cedex 10        | +33 1 40 05 48 48                    |   |
| France                     | Centre Antipoison et de Toxicovigilance de Marseille<br>Hôpital Sainte Marguerite  | 270 boulevard de Sainte<br>Marguerite 13274<br>Marseille Cedex 09 | +33 4 91 75 25 25                    |   |
| Germany                    | Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München   | Ismaninger Straße 22<br>81675 München                             | +49 (0) 89 19240                     |   |
| Germany                    | Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG   | Hindenburgdamm 30<br>12203 Berlin                                 | +49 (0) 30 19240                     |   |
| Greece                     | Poisons Information Centre Children's Hospital P&A<br>Kyriakou   | 11762 Athens  | +30 2 10 779 3777                    |   |

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|             |  |   |  |   |
|-------------|--|---|--|---|
| Hungary     | Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat   | Nagyvárad tér 2.<br>1437 Budapest, Pf. 839<br>1097 Budapest | +36 80 20 11 99  |   |
| Iceland     | Eitrunarmiðstöð Landspítali  | Fossvogi 108 Reykjavik                                      | +354 543 22 22   |   |
| Ireland     | National Poisons Information Centre Beaumont Hospital  | PO Box 1297<br>Beaumont Road<br>9 Dublin                    | +353 1 809 2566<br>(Healthcare professionals-24/7)<br>+353 1 809 2166<br>(public, 8am - 10pm, 7/7) |   |
| Italy       | Centro Antiveneni Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore   | Largo Agostino Gemelli<br>8 168 Roma                        | +39 06 305 4343  |   |
| Latvia      | Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs  | Hipokrāta 2<br>1038 Rīga                                    | +371 67 04 24 73   |   |
| Lithuania   | Apsinuodijimų informacijos biuras  | Birutės g. 56<br>8110 Vilnius                               | +370 5 236 20 52<br>+370 687 53378   |   |
| Luxembourg  | Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid  | Rue Bruyn 1<br>1120 Bruxelles/Brussel                       | +352 8002 5500   |   |
| Malta       | Medicines & Poisons Info Office  | Mater Dei Hospital<br>MSD Msida                             | +356 2545 6504   |   |
| Netherlands | Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet | Huispostnummer B.00.118<br>PO Box 85500<br>3508 GA Utrecht  | +31 30 274 88 88   | Only for the purpose of informing medical personnel in cases of acute intoxications |
| Norway      | Giftinformasjonen Helsedirektoratet  | P.O. Box 7000 St. Olavs Plass 130 Oslo                      | +47 22 591300  |   |
| Poland      | National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)  | ul. Teresy 8 P.O. BOX<br>199 90950 Łódź                     | +48 42 63 14 724   |   |
| Portugal    | Centro de Informação Antivenenos Instituto Nacional de Emergência Médica   | Rua Almirante Barroso,<br>36 1000-013 Lisboa                | +351 808 250 143   |   |
| Romania     | Department of Clinical Toxicology Spitalul de Urgenta Floreasca  | Calea Floreasca<br>Bucuresti                                | +40 21 230 8000  |   |
| Serbia      | Nacionalni centar za kontrolu trovanja - VMA   | Crnotravska 17<br>11000 Beograd                             | +381 11 360 84 40 (24h)<br>+381 11 3672 187  |   |
| Slovakia    | Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinikapracovné hľadiska a toxikológie  | Limbová 5<br>833 05 Bratislava                              | +421 2 54 77 41 66   |   |
| Slovenia    | Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL  | Zaloška cesta 7<br>1525 Ljubljana                           | +386 41 650 500  |   |
| Spain       | Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla  | Carretera de San Jerónimo Km 0,4<br>41080 Sevilla           | +34 91 562 04 20   | (Toxicological emergencies only). Information in Spanish (24/7)                     |
| Sweden      | Giftinformationscentralen  | Box 60 500<br>171 76 Stockholm                              | 112 – begär Giftinformation +46 10 456 6700 (Från utlandet)  | (from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66                |
| Switzerland | Tox Info Suisse  | Freiestrasse 16<br>8032 Zürich                              | 145  |   |

## 2 SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

##### Physical and chemical hazards:

This mixture does not present a physical hazard.

##### Health hazards

#### **Serious eye damage/eye irritation, Hazard Category 2 [Eye Irrit. 2]**

Causes serious eye irritation (H319)

#### **Skin corrosion/irritation, Hazard Category 2 [Skin Irrit. 2]**

Causes skin irritation (H315)

#### **Sensitisation Skin, Hazard Category 1 [Skin Sens.1]**

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May cause an allergic skin reaction.(H317)

Environmental hazards:

**Hazardous to the aquatic environment - Chronic Hazard, Category 3 [Aquatic Chronic 3]**

Harmful to aquatic life with long lasting effects. (H412)

### 2.2 Label elements

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

**Pictogram**



**GHS07**

**Signal word: Warning**

Substances which influenced classification

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

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({ 2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy} methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

**Hazard statement(s)**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects

**Precautionary statement(s):**

Prevention

P264 Wash hands thoroughly after handling

P261 Avoid breathing dust

P280 Wear protective gloves/protective clothing/eye protection/face protection

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.

P302 + P352 IF ON SKIN: Wash with plenty of water

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant

### 2.3 Other hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

The substance has not been included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or as substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605.

## 3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances:

Not applicable

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### 3.2 Mixtures:

| Substance identifier  | Name of the substance   | Weight fraction % | Classification in line with The Regulation (EC) No. 1272/2008 |   |                              |
|---|---|-------------------|---|---|------------------------------|
|   |   |                   | Signal Word Code(s)   | Hazard Class and Category Code(s)   | Hazard Statement Code(s)     |
| CAS No: 14808-60-7<br>(EINECS): 238-878-4<br>Index<br>No REACH No (Not subject to registration (Annex V, point 7 of the REACH Regulation) | Quartz (SiO <sub>2</sub> ) [1]  | <80               | ---   | Not Classified  | ---                          |
| CAS No: 1675-54-3<br>EC No: 216-823-5<br>Index No: 603-073-00-2<br>REACH No 01-2119456619-26-xxxx   | bis-[4-(2,3-epoxipropoxy)phenyl]propane   | 3<x<6             | GHS07<br>GHS09<br>Wng   | Skin Irrit. 2<br>Eye Irrit. 2<br>Skin Sens. 1<br><b>Specific Concentration limits,</b><br>Eye Irrit. 2; H319: C ≥ 5 %<br>Skin Irrit. 2; H315: C ≥ 5 % | H315<br>H319<br>H317<br>H411 |
| CAS No: 68609-97-2<br>EC No: 271-846-8<br>Index No: 603-103-00-4<br>REACH No: 01-2119485289-22-xxxx                                       | Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.  | <5                | GHS07<br>Wng  | Skin Irrit. 2<br>Skin Sens. 1   | H315<br>H317                 |
| CAS No:<br>EC No: 701-263-0<br>Index No REACH No 01-2119454392-40-xxxx  | Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-([2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane | <2                | GHS07<br>GHS09<br>Wng   | Skin Irrit 2<br>Skin Sens. 1<br>Aquatic Chronic 2,  | H315<br>H317<br>H411         |

[1] Substance with national exposure limit in the workplace

Full H phrases are specified in point 16 hereof.

## 4 SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

If inhaled: Take the victim out of the exposure area, place them in a comfortable half-sitting or lying position, provide calm and protect against heat loss. If needed, seek medical help

In case of skin contact: Remove contaminated clothing. Wash the affected area with plenty of water, preferably lukewarm. If skin irritation persists, seek medical help

In case of eye contact: Rinse immediately with plenty of cool, running water and continue rinsing for at least 15 minutes. Remove contact lenses. Do not use heavy streams of water to avoid cornea damage. If the irritation persists, consult an eye-doctor.

If swallowed: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

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

Contact with skin: Causes skin irritation. May cause an allergic skin reaction

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Eye contact: Causes serious eye irritation Possible redness, tearing, temporary irritation.

Ingestion: Possible abdominal pain, nausea, vomiting

Inhalation: May cause respiratory irritation

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically

## 5 SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media:

Jet water.

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

During the fire, the product may produce harmful gases. Do not inhale combustion products, they can be dangerous for human health

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not let extinguishing water to reach drainage system, surface water and groundwater. Collect used extinguishing media.

## 6 SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel: Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that the effects of breakdown are removed only by trained personnel. In case of large spills, isolate the exposed area. Avoid eyes contact and prolonged skin contact. Do not inhale vapours. Ensure adequate ventilation. Use personal protective equipment.

For emergency responders: ensure that only the trained personnel removes the effects of the accident. Use personal protective measures.

### 6.2 Environmental precautions

In case of release of large amounts of the mixture, it is necessary to take appropriate steps to prevent it from spreading into the environment. Do not let the product to get to the sewage system. Notify relevant emergency services.

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

Collect mechanically, avoiding dust formation. Treat the collected material as waste or reuse it. Clean and ventilate the affected area

### 6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## 7 SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Use only as intended. In case of rubbing or friction, accumulation of electrostatic charges may occur. Accumulated electric charge can be transferred to the user and may be a source of ignition - use extreme caution when working with flammable materials.

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

Store only in a cool and dry place at the recommended storage temperature. Keep away from sources of ignition and heat. Do not smoke, use open flames or sparking devices in the warehouse. Do not store with incompatible materials (section 10.5). Keep away from food, drink and animal feed.

### 7.3 Specific end use(s)

No information on applications other than those listed in subsection 1.2.

## 8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters

| Quartz [14808-60-7]   |   |   |                      |
|---|---|---|----------------------|
| Limit value - Eight hours   |   | Limit value - Short term                        |                      |
| [ppm]   | [mg/m <sup>3</sup> ]                            | [ppm]   | [mg/m <sup>3</sup> ] |
| Austria   | 0.05(1)(2)                                      |   |                      |
| Belgium   | 0.1   |   |                      |
| Denmark   | 0,3 inhalable aerosol<br>0,1 respirable aerosol | 0,6 inhalable aerosol<br>0,2 respirable aerosol |                      |
| Finland   | 0.05(1)   |   |                      |
| France  | 0,1 respirable aerosol                          |   |                      |
| Hungary   | 0,15 respirable aerosol                         |   |                      |
| Ireland   | 0,1 (1)   |   |                      |
| Norway  | 0,3 (1)<br>0,1 (2)                              |   |                      |
| Poland  | 0.1(1)  |   |                      |
| Spain   | 0,05 (1)  |   |                      |
| Sweden  | 0,1 (1)   |   |                      |
| Switzerland   | 0,15 respirable aerosol                         |   |                      |
| The Netherlands   | 0,075 respirable dust                           |   |                      |
| <b>Remarks:</b><br>Austria (1) MAK value (2) Respirable fraction<br>Finland (1) Respirable fraction<br>France Bold type: Restrictive statutory limit values<br>Ireland (1) Respirable fraction<br>Norway (1) Total dust (2) Respirable fraction<br>Poland (1) Respirable fraction<br>Spain (1) Respirable fraction<br>Sweden(1) Respirable fraction |   |   |                      |

#### Recommended monitoring procedures

Procedures shall be in place to monitor the air concentrations of hazardous components and, where available and justified at the workplace, to control the cleanliness of air in the workplace in accordance with relevant Polish or European Standards, taking into account the conditions at the exposure site and the appropriate measurement methodology adapted to the working conditions. The mode, type and frequency of tests and measurements should meet the requirements of the Ordinance of the Minister of Health of 2 February 2011 (OJ No. 33, item 166).

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. When handling do not eat, drink or smoke. Before break and after work wash hands carefully. Avoid eye contamination and prolonged skin contact. Do not inhale vapors. Ensure adequate ventilation in order to maintain the concentration of harmful factors below the limit values

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### 8.2.2 Individual protection measures, such as personal protective equipment

#### Hand and body protection

Use gloves resistant to chemicals. Recommended glove [nitrile rubber] In case of short-term exposure wear the protective gloves with protection level 2 or higher (breakthrough time > 30 min). In case of long-term exposure wear the protective gloves with protection level 6 (breakthrough time > 480 min). Wear protective clothing and shoes – resistant to chemicals

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

#### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Respiratory protection :

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance

### 8.3 Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

## 9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|   |                        |
|---|------------------------|
| Physical state:   | Solid                  |
| Colour:   | Dark yellow            |
| Odour:  | Characteristic         |
| Melting point/freezing point:                             | Not available          |
| Boiling point or initial boiling point and boiling range: | Not available          |
| Flammability:   | Not available          |
| Lower and upper explosion limit:                          | Not available          |
| Flash point:  | Not available          |
| Auto-ignition temperature:                                | Not available          |
| Decomposition temperature:                                | Not available          |
| pH:   | Not available          |
| Kinematic viscosity:                                      | Not applicable [solid] |
| Solubility:   | Water-insoluble        |
| Partition coefficient n-octanol/water (log value):        | Not available          |
| Vapour pressure:  | Not available          |
| Density and/or relative density:                          | Not available          |
| Relative vapour density:                                  | Not available          |
| Particle characteristics:                                 | Not available          |

### 9.2 Other information

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

Information unavailable

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### 9.2.2 Other safety characteristics

Information unavailable

## 10 SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No reactivity under recommended storage and handling conditions.

### 10.2 Chemical stability

Stable under recommended storage and usage conditions.

### 10.3 Possibility of hazardous reactions

Stable under normal conditions of use and storage

### 10.4 Conditions to avoid

Extremely high or low temperatures, humidity

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds. Reference to other sections: 5.2.

## 11 SECTION 11: TOXICOLOGICAL INFORMATION

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

#### Toxicity of components

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

LD50 Dermal Rat >15000 mg/kg -

LD50 Oral Rat >2000 mg/kg

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-([2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

LD50 Dermal Rat >5000 mg/kg -

LD50 Oral Rat >2000 mg/kg

#### Toxicity of mixture

ATE<sub>MIX</sub> oral (mg / kg): >2000. The mixture does not contain substances classified in this hazard class.

ATE<sub>MIX</sub> dermal (mg/kg): >2000. The mixture does not contain substances classified in this hazard class.

ATE<sub>MIX</sub> inhalation (mg / l / 4h)dust/mist: >5. The mixture does not contain substances classified in this hazard class.

\*ATE<sub>MIX</sub> value was calculated using relevant converted acute toxicity point estimate included in 3.1.2 table from Regulation 1272/2008/EC

#### 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

Based on available information, classification criteria are not met.

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

Based on available information, classification criteria are not met.



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### STOT-single exposure:

Based on available information, classification criteria are not met.

### STOT-repeated exposure:

Based on available information, classification criteria are not met.

### Aspiration hazard

Based on available information, classification criteria are not met.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Contact with skin: Causes skin irritation. May cause an allergic skin reaction

Eye contact: Causes serious eye irritation Possible redness, tearing, temporary irritation.

Ingestion: Possible abdominal pain, nausea, vomiting

Inhalation: May cause respiratory irritation

## **11.2 Information on other hazards**

### 11.2.1 Endocrine disrupting properties

The components of the mixture do not affect the functioning of the hormonal system in accordance with the evaluation criteria defined in the Regulations: (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605

### 11.2.2 Other information

Not applicable to substances

## **12 SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### **Toxicity of mixture**

Harmful to aquatic life with long lasting effects.

In order to minimise long-term global pollution, this should be considered:

- Reducing the use of products and disposable packaging.
- Participation in recycling activities
- Do not allow product to enter water, sewage or soil

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons (in Poland, in a variable moderate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### **12.6 Endocrine disrupting properties**

The product shall not contain ingredients included on the list established in accordance with Article 59(1) as having endocrine disrupting properties or ingredients with endocrine disrupting properties according to the criteria laid down in Regulation 2017/2100/EU or Regulation 2018/605/EU in concentrations equal to or greater than 0.1%.

### **12.7 Other adverse effects**

The mixture is not classified as hazardous to the ozone layer. There should be considered the possibility of other harmful effects of the individual components of the mixture on the environment. (eg. the ability of disrupting endocrine , the impact of global warming potential).

## **13 SECTION 13: DISPOSAL CONSIDERATIONS**

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### 13.1 Waste treatment methods

Disposal methods for the product: dispose in accordance with applicable regulations. Do not introduce into drains. Residues store in sealed, steel containers. .

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely emptied packaging can be recycled.

Legal basis: Directive 2008/98/EC, 94/62/EC.

## 14 SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number or ID number

Not applicable, product is not classified as hazardous during transport.

### 14.2 UN proper shipping name

Not applicable

### 14.3 Transport hazard class (es)

Not applicable

### 14.4 Packing group

Not applicable

### 14.5 Environmental hazards

ADR/RID/IMDG/IATA: Product is not classified as dangerous for the environment in accordance with transport regulations

### 14.6 Special precautions for user

Not applicable

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

The cargo is not intended to be carried in bulk.

## 15 SECTION 15: REGULATORY INFORMATION

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

Other legislation:

1. **1272/2008/EC** of the Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
2. **2018/669/UE** Commission Regulation (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance.
3. **790/2009/EC** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
4. **2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
5. **94/62/EC** Commission Directive 2013/2/EU of 7 February 2013;amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
6. **2015/830/EU** Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### 15.2 Chemical safety assessment

The supplier has not assessed chemical safety It is not required for the mixture.

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### 16 SECTION 16: OTHER INFORMATION

#### **Other sources of information:**

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

Safety Data Sheet made by: **mgr Małgorzata Krenke; Feed Reach Consulting” [www.frc.com.pl](http://www.frc.com.pl)**

#### **Disclaimer**

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field

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

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Sens 1       | H317 | calculation method |
| Aquatic Chronic 3 | H412 | calculation method |
| Skin Irrit. 2     | H315 | calculation method |
| Eye Irrit. 2      | H319 | calculation method |

#### **H (hazard) phrases specified in point 2 and 3 hereof:**

|                   |   |
|-------------------|---|
| H317              | May cause an allergic skin reaction                               |
| Skin Sens. 1      | Sensitisation — Skin, hazard category 1, 1A, 1B                   |
| H412              | Harmful to aquatic life with long lasting effects                 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| H315              | Causes skin irritation  |
| Skin Irrit. 2     | Skin corrosion/irritation, Hazard Category 2                      |
| H319              | Causes serious eye irritation.                                    |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Hazard Category 2              |
| H411              | Toxic to aquatic life with long lasting effects                   |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |

#### **Explanation of returns**

|           |   |
|-----------|---|
| 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)                                       |
| 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   |
| DGR       | Dangerous Goods Regulations (see IATA/DGR)  |
| DMEL      | Derived Minimal Effect Level  |
| DNEL      | Derived No-Effect Level   |
| EH40/2005 | Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )   |
| EINECS    | European Inventory of Existing Commercial Chemical Substances   |

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|          |   |
|----------|---|
| ELINCS   | European List of Notified Chemical Substances   |
| GHS "    | Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| IATA     | International Air Transport Association   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO     | International Civil Aviation Organization   |
| IMDG     | International Maritime Dangerous Goods Code   |
| index No | the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008  |
| MARPOL   | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NLP      | No-Longer Polymer   |
| 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) |
| STEL     | short-term exposure limit   |
| SVHC     | Substance of Very High Concern  |
| TWA      | time-weighted average   |
| VOC      | Volatile Organic Compounds  |
| vPvB     | very Persistent and very Bioaccumulative  |
| WEL      | workplace exposure limit  |

### Training

Prior to working with the product you should be familiar with safety rules for handling the chemicals, in particular take proper workplace training.