

SAFETY DATA SHEET

date of issue: 20.09.2023

VERSION: 1.0/EN

Z Slow Component B

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

Z Slow Component B

UFI: Q520-M01V-A00E-CJM6

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 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 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 1606 SOFIA | +359 2 9154 409 | |
| Croatia | Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada | Ksaverska Cesta 2 p.p. 291 10000 Zagreb | +385 1 234 8342 | |
| Cyprus | Κέντρο Δηλητηριάσεων | | 1401 | Operating hours 24 hours / 24 hours, 7 days a week |
| Czech Republic | Toxikologickéinformačnístředisko Klinikapracovníholékařství VFN a 1. LF UK | Na Bojišti 1 120 00 Praha 2 | +420 224 919 293 +420 224 915 402 | |
| Denmark | Gifflinjen Bispebjerg Hospital | Bispebjerg Bakke 23 2400 København NV | +45 82 12 12 12 | |
| Estonia | Mürgistusteabekeskus | Gonsiori 29 15027 Tallinn | 16662 +372 626 93 90 | |
| Finland | Myrkytystietokeskus | Stenbäckinkatu 9 PO BOX 100 29 Helsinki | +358 9 471 977 +358 9 4711 | |
| France | Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal | 200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10 | +33 1 40 05 48 48 | |
| France | Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite | 270 boulevard de Sainte Marguerite 13274 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 81675 München | +49 (0) 89 19240 | |
| Germany | Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG | Hindenburgdamm 30 12203 Berlin | +49 (0) 30 19240 | |
| Greece | Poisons Information Centre Children's Hospital P&A Kyriakou | 11762 Athens | +30 2 10 779 3777 | |

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| | | | | |
|-------------|--|---|--|---|
| Hungary | Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat | Nagyvárad tér 2. 1437 Budapest, Pf. 839 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 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Italy | Centro Antiveneni Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore | Largo Agostino Gemelli 8 168 Roma | +39 06 305 4343 | |
| Latvia | Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs | Hipokrāta 2 1038 Rīga | +371 67 04 24 73 | |
| Lithuania | Apsinuodijimų informacijos biuras | Birutės g. 56 8110 Vilnius | +370 5 236 20 52 +370 687 53378 | |
| Luxembourg | Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn 1 1120 Bruxelles/Brussel | +352 8002 5500 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital 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 PO Box 85500 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 199 90950 Łódź | +48 42 63 14 724 | |
| Portugal | Centro de Informação Antivenenos Instituto Nacional de Emergência Médica | Rua Almirante Barroso, 36 1000-013 Lisboa | +351 808 250 143 | |
| Romania | Department of Clinical Toxicology Spitalul de Urgenta Floreasca | Calea Floreasca Bucuresti | +40 21 230 8000 | |
| Serbia | Nacionalni centar za kontrolu trovanja - VMA | Crnotravska 17 11000 Beograd | +381 11 360 84 40 (24h) +381 11 3672 187 | |
| Slovakia | Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinikapracovné hľadiska a toxikológie | Limbová 5 833 05 Bratislava | +421 2 54 77 41 66 | |
| Slovenia | Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL | Zaloška cesta 7 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 41080 Sevilla | +34 91 562 04 20 | (Toxicological emergencies only). Information in Spanish (24/7) |
| Sweden | Giftinformationscentralen | Box 60 500 171 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 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

Acute toxicity (oral), Hazard Category 4 [Acute. Tox 4]

Harmful if swallowed (H302)

Skin corrosion/irritation, Hazard Category 1A, 1B, 1C [Skin Corr. 1B]

Causes severe skin burns and eye damage. (H314)

Serious eye damage/eye irritation, (Category 1) [Eye Dam 1]

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Causes serious eye damage (H318)

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

May cause an allergic skin reaction.(H317)

Specific target organ toxicity - Repeated exposure, Hazard Category 2 [STOT RE 2]

May cause damage to organs through prolonged or repeated exposure (H373)

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



GHS05

GHS08

GHS07

Signal word: Danger

Substances which influenced classification

Formaldehyde, polymer with benzenamine, hydrogenated

Benzyl alcohol

2-piperazin-1-ylethylamine

4,4'-methylenebis(cyclohexylamine)

Hazard statement(s)

H302 Harmful if swallowed

H314 Causes skin irritation

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure

H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s):

Prevention

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

Response

P305+P361+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P308+P313 IF exposed or concerned: Get medical advice/ attention.

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.

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3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable

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: 135108-88-2 EC No: 603-894-6 Index No: REACH No: 01-2119983522-33-xxxx | Formaldehyde, polymer with benzenamine, hydrogenated | >40 | GHS08 GHS05 GHS07 Dgr | Acute Tox.: 4 Skin Corr.: 1C Eye Dam.: 1 Skin Sens.: 1 STOT RE: 2 Aquatic Chronic: 3: | H302 H314 H318 H317 H373 H412 |
| CAS No: 100-51-6 EC No: 202-859-9 Index No: 603-057-00-5 REACH No: 01-2119492630-38-xxxx | <u>Benzyl alcohol</u> [1] | <40 | GHS07 Wng | Acute Tox. 4 Acute Tox. 4 | H332 H302 |
| CAS No: 140-31-8 EC No: 205-411-0 Index No: 612-105-00-4 REACH No: 01-2119471486-30-xxxx | 2-piperazin-1-ylethylamine | <15 | GHS05 GHS07 GHS08 Dgr | Acute Tox. 3 Acute Tox. 4 Skin Corr. 1B Skin Sens. 1 Aquatic Chronic 3 | H311 H302 H314 H317 H412 |
| CAS No: 1761-71-3 EC No: 217-168-8 Index No: REACH No: 01-2119541673-38-xxxx | 4,4'-methylenebis(cyclohexylamine) | <5 | GHS08 GHS05 GHS07 Dgr | Acute Tox.: 4 Skin Corr.: 1B Eye Dam.: 1 Skin Sens.: 1 STOT RE: 2 | H302 H314 H318 H317 H373 |
| CAS No: 90-72-2 EC No: 202-013-9 Index No: REACH No: 01-2119560597-27-xxxx | 2,4,6-tris(dimethylaminomethyl) phenol | <5 | GHS07 Wng | Acute Tox.: 4 Skin Irrit.: 2 Eye Irrit.: 2 | H302 H315 H319 |

[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 c

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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: Redness, pain, severe burns, tissue necrosis. May cause an allergic skin reaction

Contact with eye: Serious burns, cornea and conjunctiva damage leading to irreversible vision loss and even blindness.

Ingestion: Harmful if swallowed Causes severe burns of the mouth, throat, stomach, severe gastrointestinal tissue damage (risk of perforation) can lead to death. Symptoms: severe pain, vomiting, diarrhea, low blood pressure, symptoms of damage can occur several days after exposure

Inhalation: Causes serious damage to the upper respiratory tract, burns, possible chemical pneumonitis and pulmonary oedema.

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 (CO₂)

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. In case of large spills, isolate the affected area. Avoid direct contact with releasing product. Avoid breathing vapors. Use personal protective equipment. Avoid contact with eyes and skin. Provide adequate ventilation. Remove all sources of ignition, extinguish flames, prohibit smoking. Danger of slipping on spilled product. 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.

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6.3 Methods and material for containment and cleaning up

Large spill: isolate the place of liquid accumulation, pump away the collected liquid.

Small spill: collect with incombustible materials which absorb liquids (for example: sand, soil, universal firming agents, silica, vermiculite, etc.) and place in labeled containers. Treat the collected material as waste. 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

Avoid contact with skin and eyes. Do not breathe mist/vapors/spray. Handle product only in closed system or provide appropriate exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Use only non-sparking tools. Keep away from open flames, hot surfaces and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed. Keep away from heat, sparks and flame. Do not store with incompatible materials (see subsection 10.5).

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

| Benzyl alcohol [100-51-6] | | | | |
|---------------------------|---|-----------|--------------|--------------|
| Finland | 10 | 45 | | |
| Germany (AGS) | 5 (1) | 22 (1) | 10 (1)(2) | 44 (1)(2) |
| (DFG) | 5 (1)(2) | 22 (1)(2) | 10 (1)(2)(3) | 44 (1)(2)(3) |
| Latvia | | 5 | | |
| Poland | | 250 | | |
| Switzerland | 5 | 22 | | |
| Remarks: | | | | |
| Germany (AGS) | (1) Inhalable fraction and vapour (2) 15 minutes average value | | | |
| Germany (DFG) | (1) Inhalable fraction and vapour (2) Skin (3) 15 minutes average value | | | |

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

Use protective glasses, if there is a risk of eye contamination. It is recommended to equip the workplace with a water shower for rinsing eyes.

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: | Liquid |
| Colour: | Amber |
| Odour: | Ammoniacal |
| Melting point/freezing point: | Not available |
| Boiling point or initial boiling point and boiling range: | > 200 °C |
| Flammability: | Not available |
| Lower and upper explosion limit: | Not available |
| Flash point: | > 100 °C |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| pH: | 11 |
| Kinematic viscosity: | 400 mPa.s (25 °C) |
| Solubility: | Water-soluble |
| Partition coefficient n-octanol/water (log value): | Not available |
| Vapour pressure: | < 1,33 hPa (21 °C) |
| Density and/or relative density: | 1,03 g-cm ³ (21 °C) |
| Relative vapour density: | Not available |
| Particle characteristics: | Not applicable [Liquid] |

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

Information unavailable

10.5 Incompatible materials

Sodium chlorate. Organic acids (e.g. acetic acid, citric acid, etc.). Mineral acid The product causes slow corrosion of copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may cause the peroxide to decompose rapidly and create an explosion hazard. Carefully! N-Nitrosamines, many of which are considered potentially carcinogenic, may be formed when the product comes into contact with nitric acid, nitrites or atmospheres with high concentrations of nitrous oxide. Nitrous acid and other nitrosating agents. Reactive metals (e.g. sodium, calcium, zinc, etc.). Substances that react with hydroxyl compounds. Oxidizing agents

10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), 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

Benzyl alcohol

LD50 Dermal Rabbit 2000 mg/kg -

LD50 Oral Rat 1230 mg/kg

Formaldehyde, polymer with benzamine, hydrogenated

LD50 (Rat): 2,108 mg/kg

Toxicity of mixture

ATE_{MIX} oral (mg / kg): ~470-480 Harmful if swallowed

ATE_{MIX} dermal (mg/kg): >2000. The mixture does not contain substances classified in this hazard class.

ATE_{MIX} inhalation (mg / l / 4h): ~32-34 [mist]. The mixture does not contain substances classified in this hazard class.

*ATE_{MIX} 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 severe skin burns

Serious eye damage/irritation :

Causes serious eye damage

Respiratory or skin sensitisation

May cause an allergic skin reaction

Germ cell mutagenicity

Based on available information, classification criteria are not met.

Carcinogenicity

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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.

STOT-single exposure:

Based on available information, classification criteria are not met.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure

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: Redness, pain, severe burns, tissue necrosis. May cause an allergic skin reaction

Contact with eye: Serious burns, cornea and conjunctiva damage leading to irreversible vision loss and even blindness.

Ingestion: Harmful if swallowed Causes severe burns of the mouth, throat, stomach, severe gastrointestinal tissue damage (risk of perforation) can lead to death. Symptoms: severe pain, vomiting, diarrhea, low blood pressure, symptoms of damage can occur several days after exposure

Inhalation: Harmful if inhaled Causes serious damage to the upper respiratory tract, burns, possible chemical pneumonitis and pulmonary oedema. 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

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%.

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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

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

ADR/ARID/IMDG/IATA: UN2735

14.2 UN proper shipping name

ADR/RID/ IMDG/IATA: AMINES, LIQUID, CORROSIVE, N.O.S

274: Formaldehyde, polymer with benzenamine, hydrogenated

14.3 Transport hazard class(es)

ADR/RID/ IMDG/IATA: 8

14.4 Packing group

ADR/RID/ IMDG/IATA: III

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

ADR

Tunnel restriction code

[E]

Transport category

3

Limited quantity: LQ:

5 L

Packing instructions:

'P001 IBC03; LP01, R001

Special provisions:

'274;V12

IMDG

Packing instructions

P001 IBC03 LP01

EmS:

F-A, S-B

Stowage and handling

Category A

SW2

Special provisions

274. 223

Limited quantities LQ:

5 L

IATA

IATA-packing instructions - Passenger

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| | |
|------------------------------------|------|
| Excerpted quantities (IATA) : | E1 |
| Limited quantities (IATA) : | Y841 |
| Limited quantity Passenger (IATA): | 1L |
| Packing instructions: (IATA) : | 852 |
| Max. quantity net (IATA) : | 5L |
| <u>IATA (Cargo)</u> | |
| IATA-packing instructions - Cargo: | 856 |
| IATA-max. quantity - Cargo: | 60L |
| ERG code (IATA) : | 8L |

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.

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**

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

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Classification according to Regulation (EC) No 1272/2008

| | | |
|-------------------|------|--------------------|
| Skin Corr. 1B | H314 | calculation method |
| Acute Tox. 4 | H302 | calculation method |
| Skin Sens 1 | H317 | calculation method |
| Aquatic Chronic 3 | H412 | calculation method |
| Eye Dam. 1 | H318 | calculation method |
| STOT RE 2 | H373 | calculation method |

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

| | |
|-------------------|---|
| H302 | Harmful if swallowed |
| Acute Tox 4 | Acute toxicity (oral), Hazard Category 4 |
| H318 | Causes serious eye damage |
| Eye Dam 1 | Serious eye damage/eye irritation, Hazard Category 1 |
| H314 | Causes severe skin burns and eye damage |
| Skin Corr. 1B | Skin corrosion/irritation, Hazard Category 1, Sub-Categories 1B |
| H317 | May cause an allergic skin reaction |
| Skin Sens. 1 | Sensitisation — Skin, hazard category 1, 1A, 1B |
| H332 | Harmful if inhaled |
| Acute Tox4 | Acute toxicity (inhal.), Hazard Category 4 |
| H373 | May cause damage to organs |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Hazard Category 2 |
| H412 | Harmful to aquatic life with long lasting effects |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |

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 (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| 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 |

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| | |
|----------|---|
| 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. **People associated with the transport of hazardous materials in accordance with ADR** should be adequately trained to perform their duties (general training, bench and safety).