

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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

Plex 1320

UFI: 8S20-40VN-F00V-0XPN

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

Identified uses: Making epoxy resin floors.

SU 22 Professional uses.

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 Tottleben 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 | Toxikologické informační středisko Klinicko-pracovního lékařství VFN a 1. LF UK | Na Bojišti 1 120 00 Praha 2 | +420 224 919 293 +420 224 915 402 | |
| Denmark | Giftnlinjen 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 | 11762 Athens | +30 2 10 779 3777 | |

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

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| | Kyriakou | | | |
|-------------|--|---|--|---|
| 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 hľadiskárstva 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:

The mixture is not classified as posing hazards based on physicochemical properties.

Health hazards

Sensitisation - Skin, hazard category 1, 1A, 1B [Skin Sens.1]

May cause an allergic skin reaction. (H317)

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

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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)

Specific target organ toxicity - Single exposure, Hazard Category 3, [STOT SE.3];

May cause respiratory irritation. (H335)

Environmental hazards:

The mixture does not pose an environmental hazard. No environmental effects are known or anticipated under normal conditions of use.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS07

Signal word: Warning

Substances which influenced classification

Methyl methacrylate

2-ethylhexyl acrylate

2-hydroxyethyl methacrylate

2,2'-[[4-methylphenyl]imino]bisethanol

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

1-Methoxypropan-2-ol

Hazard statement(s)

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

Precautionary statement(s):

Prevention

P261 Avoid breathing vapours.

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

Response

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Disposal

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

2.3 Other hazards

Components of the mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

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the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

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: 80-62-6 EC No: 201-297-1 Index No: 607-035-00-6 REACH No: 01-2119452498-28-xxxx | <u>Methyl methacrylate [1,2]</u> | 35<x<40 | GHS02 GHS07 Dgr | Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1 | H225 H335 H315 H317 |
| CAS No: 103-11-7 EC No: 203-080-7 Index No: 607-107-00-7 REACH No: | <u>2-ethylhexyl acrylate [1]</u> | 25<x<30 | GHS07 Wng | STOT SE 3 Skin Irrit. 2 Skin Sens. 1 | H335 H315 H317 |
| CAS No: 942-960-1 EC No: 942-960-1 Index No: REACH No: | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester polymer with polypropylene glycol, 4-methyl-m-phenylene diisocyanate | 7<x<11 | GHS07 Wng | Skin Irrit. 2 Eye Irrit. 2 | H319 H315 |
| CAS No: 868-77-9 EC No: 212-782-2 Index No: 607-124-00-X REACH No: 01-2119490169-29-xxxx | <u>2-hydroxyethyl methacrylate [1]</u> | 2<x<5 | GHS07 Wng | Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1 | H319 H315 H317 |
| CAS No: 3077-12-1 EC No: 221-359-1 Index No: REACH No | <u>2,2'-[(4-methylphenyl)imino]bisethanol</u> | 1<x<3 | GHS07 Wng | Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 | H302 H315 H319 H335 |
| CAS No: 162627-17-0 EC No: Polymer Index No: REACH No: 01-2119970640-38-xxxx | Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine | <0.5 | GHS07 Wng | Skin Sens. 1A | H317 |
| CAS No: 107-98-2 EC No: 203-539-1 Index No: 603-064-00-3 REACH No: | <u>1-Methoxypropan-2-ol [1,2]</u> | <0.2 | GHS02 GHS07 Wng | Flam. Liq. 3 STOT SE 3 | H226 H336 |

[1] Substance with a specified national maximum allowable concentration in the workplace environment. See section 8.

[2] Substance with a specified European Union maximum allowable concentration in the workplace environment. See section 8.

Full H phrases are specified in point 16 hereof.

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

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4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin: In case of contact with skin, immediately wash with plenty of water. Remove contaminated clothing. If skin irritation persists, seek medical advice.

Eyes: If the product comes into contact with the eyes, rinse with plenty of water while gently separating the eyelids. Continue rinsing for at least 15 minutes. If irritation occurs, consult a doctor.

Inhalation: If vapors are inhaled, ensure access to fresh air. If breathing is difficult, consult a doctor.

Ingestion: If swallowed, do not induce vomiting unless directed by a doctor. Contact a doctor or toxicologist.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: Immediate irritation, redness, itching. Delayed: Dermatitis with prolonged exposure.

Ingestion: Possible mouth and throat irritation. Delayed: Gastrointestinal distress or irritation.

Inhalation: Respiratory irritation, coughing, difficulty in breathing. Delayed: Potential long-term respiratory effects.

Eye Contact: Severe irritation, redness, tearing, pain. Delayed: Possible chronic eye irritation and damage.

4.3 Indication of any immediate medical attention and special treatment needed

In case of severe symptoms or any doubt, always seek medical advice. Immediately provide the product's safety data sheet or label to the physician.

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

The product may be flammable as an aerosol or at high temperatures. It may react with certain chemicals to form hazardous compounds. In case of fire, it may emit toxic gases such as carbon oxides. Store away from heat sources, sparks, open flame, and reactive substances.

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 access of bystanders to the accident area until proper cleaning operations are completed. In case of major leaks, isolate the affected area. Avoid direct contact with the released product. Avoid inhaling dust. Use personal protective equipment. Ensure adequate ventilation.

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

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For emergency responders: Ensure that the removal of the accident and its consequences is carried out only by trained personnel. Use individual protection measures.

6.2 Environmental precautions

In the event of a large release, take appropriate steps to prevent environmental spread. Prevent the product from entering the sewer system. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Use absorbents such as sand, diatomaceous earth, or other appropriate materials to absorb spill. Avoid using water to dilute the product, which can increase the risk of contamination spread.

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

Work in a well-ventilated area. Avoid creating aerosols and vapors of the product. When handling the product, use precautions to prevent accidental spillage. In case of a spill, immediately take actions according to safety procedures. Regularly clean tools and equipment used to work with the product. Store the product away from areas where its presence may pose a health or safety risk.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed containers in a cool, dry place away from heat sources and sunlight. Avoid storing with incompatible materials (e.g., strong acids, bases, oxidizers). Regularly check containers for damage or leaks.

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

| Methyl methacrylate [80-62-6] | | | | |
|-------------------------------|---------------------------|----------------------|--------------------------|----------------------|
| | Limit value - Eight hours | | Limit value - Short term | |
| | [ppm] | [mg/m ³] | [ppm] | [mg/m ³] |
| Austria | 50 | 210 | 100 | 420 |
| Belgium | 50 | 208 | 100[1] | 416 [1] |
| Denmark | 25[1] | 102[1] | 50[1.2] | 204 [1.2] |
| European Union | 50 | | 100[1] | |
| Finland | 10 | 42 | 50[1] | 210[1] |
| France | 50 | 205 | 100 [1] | 410 [1] |
| Germany (AGS) | 50 | 210 | 100[1] | 420[1] |
| (DFG) | 50 | 210 | 100[1] | 420[1] |
| Hungary | | 210 | | 210 |
| Ireland | 50 | | 100[1] | |
| Italy | 50 | | 100[1] | |
| Latvia | | 10 | | |
| Norway | 25 | 100 | 100[1] | 400[1] |
| Poland | | 100 | | 300 |
| Romania | 50 | 205 | 100[1] | 410 [1] |
| Spain | 50 | 100 | 100[1] | 416 [1] |

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

| | | | | |
|-----------------|----|-----|--------|--------|
| Sweden | 50 | 200 | 100[1] | 400[1] |
| Switzerland | 50 | 210 | 100 | 420 |
| The Netherlands | | 205 | | 410 |
| United Kingdom | 50 | 208 | 100 | 416 |

Remarks:

Belgium (1) 15 minutes average value
 Denmark (1) Skin (2) 15 minutes average value
 European Union (1) 15 minutes average value **Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)**
 Finland (1) 15 minutes average value
 France **Bold type: Restrictive statutory limit values** (1) 15 minutes average value
 Germany (AGS) (1) 15 minutes average value
 Germany (DFG) (1) 15 minutes average value
 Ireland (1) 15 minutes reference period
 Italy (1) 15 minutes average value
 Norway (1) 15 minutes average value
 Romania(1) 15 minutes average value
 Spain (1) 15 minutes average value
 Sweden(1) 15 minutes average value

2-Ethylhexyl acrylate [103-11-7]

| | | | | |
|----------------|-----------|-----------|--------------|--------------|
| Austria | 10 | 82 | 10[1] | 82[1] |
| Germany (AGS) | 5[1] | 38[1] | 5[1.2] | 38[1.2] |
| (DFG) | 5[1] | 38[1] | 5[1.2] | 38[1.2] |
| Latvia | | 1 | | |
| Poland | | 35[1] | | 70[1.2] |
| Switzerland | 5 | 38 | 5 | 38 |

Remarks

Austria (1) Ceiling limit value
 Germany (AGS) (1) Inhalable aerosol and vapour (2) 15 minutes reference period
 Germany (DFG) (1) Inhalable fraction and vapour (2) 15 minutes average value
 Poland (1) Skin (2) 15 minutes average value

1-Methoxypropan-2-ol [107-98-2]

| | | | | |
|-----------------|---------|---------|------------|-------------|
| Austria | 50 | 187 | 50 | 187 |
| Belgium | 50 (1) | 184 (1) | 100 (1)(2) | 369 (1)(2) |
| Denmark | 50 (1) | 185 (1) | 100 (1)(2) | 370 (1)(2) |
| European Union | 100 | 375 | 150 (1) | 568 (1) |
| Finland | 100 | 370 | 150 (1) | 560 (1) |
| France | 50 | 188 | 100 (1) | 375 (1)] |
| Germany (AGS) | 100 | 370 | 200 (1) | 740 (1) |
| (DFG) | 100 | 370 | 200 (1) | 740 (1) |
| Hungary | | 375 | | 568 |
| Ireland | 100 | 375 | 150 (1) | 568 (1) |
| Italy | 100 (1) | 375 (1) | 150 (1)(2) | 568 (1)(2) |
| Latvia | 100 | 375 | 150 (1) | 568 (1) |
| Norway | 50 (1) | 180 (1) | | |
| Poland | | 180(1) | | 360 (1) (2) |
| Romania | 100 | 375 | 150 (1) | 568 (1) |
| Spain | 100 | 375 | 150 | 568 |
| Sweden | 50 | 190 | 150 (1) | 568 (1) |
| Switzerland | 100 | 360 | 200 | 720 |
| The Netherlands | | 375 | | 563 |
| United Kingdom | 100 | 375 | 150 | 560 |

Remarks:

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

Belgium (1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Denmark (1) Skin (2) 15 minutes average value
European Union (1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)
Finland (1) 15 minutes average value
France Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value
Germany (AGS) (1) 15 minutes average value
Germany (DFG) (1) 15 minutes average value
Ireland (1) 15 minutes reference period
Italy (1) Skin (2) 15 minutes average value
Latvia (1) 15 minutes average value
Norway (1) Skin
Poland (1) Skin (2) 15 minutes average value Stoff schon vorher vorhanden, Werte für Polen neu!
Romania (1) 15 minutes average value
Spain skin
Sweden (1) 15 minutes average value

2-Hydroxyethylmethacrylate [868-77-9]

| | Limit value - Eight hours | | Limit value - Short term | |
|--------|---------------------------|-------------------|--------------------------|-------------------|
| | Ppm | mg/m ³ | ppm | mg/m ³ |
| Norway | 2 | 11 | | |

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Implement local or general ventilation systems to control air concentrations. Ensure that exposure levels comply with local safety standards.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory Protection:

When there's a risk of dusts or aerosols, use protective masks with appropriate filters, preferably P2 or P3 type.

Eye Protection:

Use safety goggles or face shield with side shields to protect eyes from splashes. For work with large quantities of substances, full face protection is recommended.

Hand Protection:

Use chemical-resistant gloves, recommended materials include nitrile, latex, or other suitable barrier materials. Regularly check gloves for damage and replace as necessary.

8.3 Environmental exposure controls

Avoid releasing the product into the environment. Implement appropriate containment methods to prevent contamination of surface and groundwater. Store and dispose of the product in accordance with local environmental protection regulations.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|----------------|
| Physical state: | Liquid |
| Colour: | Transparent |
| Odour: | Characteristic |
| Melting point/freezing point: | Not available |
| Boiling point or initial boiling point and boiling range: | Not available |
| Flammability: | Not available |

SAFETY DATA SHEET

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| | |
|--|--------------------|
| 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 available |
| Solubility: | Insoluble in water |
| 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

No additional data.

9.2.2 Other safety characteristics

No additional data.

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The mixture does not exhibit excessive reactivity under standard use and storage conditions.

10.2 Chemical stability

The mixture is stable when stored and used according to the manufacturer's recommendations.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected under normal use and storage conditions.

10.4 Conditions to avoid

Avoid extreme temperatures, open flame, and direct sunlight, which may affect the stability of the product.

10.5 Incompatible materials

Avoid contact with strong acids, bases, and strong oxidizers.

10.6 Hazardous decomposition products

In normal usage and storage conditions, no hazardous decomposition products are expected; however, in extreme situations such as a fire, the product may produce toxic gases such as carbon oxides, nitrogen oxides, or smoke.

11 SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity:

ATE MIX oral (mg/kg): > 2000 Based on available data, classification criteria are not met.

The acute toxicity of the mixture (ATEmix) was calculated based on the relevant conversion factor provided in Table 3.1.2 of Annex I to the CLP Regulation, as amended.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation :

Causes serious eye irritation.

Respiratory or skin sensitisation:

May produce an allergic reaction.

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

Germ cell mutagenicity:

Based on available information, classification criteria are not met.

Carcinogenicity:

Based on available information, classification criteria are not met.

Reproductive toxicity:

Based on available information, classification criteria are not met.

STOT-single exposure:

May cause respiratory irritation.

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

Skin Contact: Immediate irritation, redness, itching. Delayed: Dermatitis with prolonged exposure.

Ingestion: Possible mouth and throat irritation. Delayed: Gastrointestinal distress or irritation.

Inhalation: Respiratory irritation, coughing, difficulty in breathing. Delayed: Potential long-term respiratory effects.

Eye Contact: Severe irritation, redness, tearing, pain. Delayed: Possible chronic eye irritation and damage.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or substances 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 at a concentration equal to or greater than 0.1 % by weight.

11.2.2 Other information

Not applicable to substances.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of mixture

The mixture does not pose a threat to the environment. Under normal usage conditions, no known or anticipated environmental effects are present. To minimize long-term global pollution, consider reducing the use of single-use products, participating in recycling efforts, and preventing the product from entering water, sewage, or soil.

12.2 Persistence and degradability

No data for the mixture.

12.3 Bioaccumulative potential

No data for the mixture.

12.4 Mobility in soil

Insoluble in water. 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 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 substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

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.

Waste code **16 03 05*** organic wastes containing dangerous substances.

The product may be disposed of by incineration. Burning should be done in a location away from buildings and industrial facilities in a specialized furnace to burn waste chemicals.

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

Packaging of the product be disposed of as hazardous waste code **15 01 10*** "Packaging containing residues of or contaminated by dangerous.

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

14 SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

The mixture is not subject to regulations regarding the transport of dangerous goods as outlined in ADR (road transport), RID (rail transport), ADN (inland water transport), IMDG (maritime transport), and ICAO/IATA (air 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

Not applicable.

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. **Regulation (EC) No 1907/2006** concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC, and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, and 2000/21/EC.

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

2. **Commission Regulation (EU) 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).
3. **Regulation (EC) No 648/2004** of the European Parliament and of the Council of 31 March 2004 on detergents.
4. **Directive 94/62/EC** of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste, as amended.
5. **Regulation (EC) No 850/2004** of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC (as amended by subsequent regulations).
6. **Regulation (EC) No 1013/2006** of the European Parliament and of the Council of 14 June 2006 on shipments of waste (Waste Shipment Regulation).
7. **Regulation (EU) No 649/2012** of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (PIC Regulation).
8. **Regulation (EC) No 1223/2009** of the European Parliament and of the Council of 30 November 2009 on cosmetic products.
9. **Regulation (EC) No 1272/2008** on classification, labelling, and packaging of substances and mixtures (CLP), including the latest Adaptations to Technical Progress (ATPs).
10. **Directive 2012/19/EU** of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE Directive).
11. **Regulation (EU) No 2019/1021** of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (recasting Regulation (EC) No 850/2004).
12. **Regulation (EU) 2019/1148** of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.
13. **Act of 13 April 2016** on the safety of trading in explosives precursors (Journal of Laws 2016, item 669; consolidated text: Journal of Laws 2019, item 994).
14. **Act of 25 February 2011** on chemical substances and their mixtures (Journal of Laws 2011, No 63, item 322; consolidated text: Journal of Laws 2022, item 1816).
15. Act of 13 June 2013 on the management of packaging and packaging waste (consolidated text: Journal of Laws 2024, item 927).
16. **Act of 14 December 2012** on waste (consolidated text: Journal of Laws 2023, item 1587).
17. **Regulation of the Minister of Economy of 5 November 2009** on specific requirements for aerosol products (Journal of Laws 2009 No 188, item 1460 as amended).
18. **Notice of the Minister of Entrepreneurship and Technology of 15 April 2019** on the announcement of the consolidated text of the Regulation of the Minister of Economy on specific requirements for aerosol products (Journal of Laws 2019, item 975).
19. **Act on the transport of dangerous goods of 19 August 2011** (Journal of Laws No 227, item 1367; consolidated text: Journal of Laws 2022, item 2147).
20. **Government Statement of 13 March 2023** on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal of Laws 2023, item 891).

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).

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

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

The provided information is based on current data and the manufacturer's knowledge and experience regarding the product. The Safety Data Sheet serves as guidance for safe handling during transport, distribution, application, and storage, but it does not certify the product's quality. The information is specific to the named product and may not apply to its use with other materials or in different applications. Users are responsible for complying with all applicable standards and regulations and bear responsibility for any misuse of the information in the Safety Data Sheet or improper use of the product.

Classification according to Regulation (EC) No 1272/2008

| | | |
|---------------|------|--------------------|
| STOT SE 3 | H335 | calculation method |
| Skin Irrit. 2 | H315 | calculation method |
| Skin Sens.1 | H317 | 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. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation |
| H225 | Highly flammable liquid and vapour. |
| H315 | Harmful if swallowed. |
| H302 | Harmful if swallowed. |
| H226 | Flammable liquid and vapour. |
| H336 | May cause drowsiness or dizziness. |

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) |

SAFETY DATA SHEET

date of issue: 21.01.2024

VERSION: 1.0/EN

Plex 1320

in accordance with 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)

| | |
|----------|---|
| 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

Before working with the product, users should familiarize themselves with occupational health and safety guidelines related to handling chemicals to ensure safe practices.