

SAFETY DATA SHEET

date of issue:28.05.2024

VERSION: 1.0/EN

Plex 1680

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

Plex 1680

UFI: P830-6011-900V-Y061

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.: 609 222 050

www.eurostep.pl

Product technical information: info@eurostep.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	Vergiftungsinformationszentrum (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-pracovní holékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftlinjen 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	

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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 Reykjavík	+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 hľadiská a toxikológia	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:

Flammable liquids, Hazard Category 2 [Flam. Liq. 2]

Highly flammable liquid and vapour. (H225)

Health hazards

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

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Causes serious eye irritation. (H319)

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

May cause an allergic skin reaction. (H317)

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



GHS02

GHS07

Signal word: Danger

Substances which influenced classification

Methyl methacrylate

2-ethylhexyl acrylate

2-hydroxyethyl methacrylate

2,2'-ethylenedioxydiethyl dimethacrylate

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s):

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapours.

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.

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

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

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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.

Toxicological information:

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.

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>	45<x<50	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: 01-2119453158-37-xxxx	<u>2-ethylhexyl acrylate [1]</u>	20<x<25	GHS07 Wng	STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H335 H315 H317
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>	5<x<10	GHS07 Wng	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1	H319 H315 H317
CAS No: 109-16-0 EC No: 203-652-6 Index No: REACH No:	2,2'-ethylenedioxydiethyl dimethacrylate	≤2	GHS07 Wng	Skin Sens. 1B	H317
CAS No: 3077-12-1 EC No: 221-359-1 Index No: REACH No:	2,2'-[(4-methylphenyl)imino]bisethanol	≤1	GHS07 Wng	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H302 H315 H319 H335
CAS No: 108-88-3 EC No: 203-625-9 Index No: 601-021-00-3 REACH No: 01-2119471310-51-xxxx	<u>Toluene [1,2,3,4]</u>	<0.05	GHS02 GHS08 GHS07 Dgr	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3	H225 H361d H304 H373 H315 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.

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[3] Dangerous substances with restrictions (REACH, Annex XVII.

[4] Regulation on drug precursors.

Full H phrases are specified in point 16 hereof.

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

Highly flammable liquid and vapour. 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

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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.

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

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Romania	50	205	100[1]	410 [1]
Spain	50	100	100[1]	416 [1]
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-Hydroxyethylmethacrylate [868-77-9]

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

2-Ethylhexyl acrylate [103-11-7]

Limit value - Eight hours		Limit value - Short term	
ppm	mg/m ³ ppm	ppm	mg/m ³
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

Toluene [108-88-3]

Limit value - Eight hours		Limit value - Short term	
ppm	mg/m ³ ppm	ppm	mg/m ³
Austria	50	190	100 380
Belgium	20[1]	77[1]	100[1.2]384 [1.2]
Denmark	25[1]	94[1]	50[1.2] 188 [1.2]
European Union	50	192	100[1] 384 [1]
Finland	25	81	100 (1) 380 (1)
France	20	76,8	100 (1) 384 (1)
Germany (AGS)	50 (1)	190 (1)	200 (1)(2) 760 (1)(2)
(DFG)	50 (1)	190 (1)	100 (1)(2) 380 (1)(2)

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Hungary		190		380
Ireland	50	192	100 (1)	384 (1)
Italy	50			192[1]
Latvia	14	50	40 (1)	150 (1)
Norway	25(1)	94(1)		
Poland		100		200
Romania	50	192	100 (1)	384 (1)
Spain	50 (1)	192 (1)	100 (1)(2)	384 (1)(2)
Sweden	50	192	100 (1)	384 (1)
Switzerland		150		384
The Nitherlands		205		410
United Kingdom	50	191	100 (1)	384(1)

Remarks:

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 (2) Skin

Germany (DFG) (1) Skin (2) 15 minutes average value

Ireland (1) 15 minutes reference period

Italy (1) Skin

Latvia (1) 15 minutes average value

Norway (1) Skin

Romania (1) 15 minutes average value

Spain (1) Skin (2) 15 minutes average value

Sweden(1) 15 minutes average value

United Kingdom (1) 15 minutes average value

Methyl methacrylate [80-62-6]

DNEL/PNEC

DNEL WORKER

348,4 mg/m³ Inhalatory chronic - systemic effects

208 mg/m³ Inhalatory chronic - local effects

416 mg/m³ Inhalatory acute - local effects

13,67 mg/kg bw/day dermal chronic - systemic effects

PNEC

0,94 mg/l water intermittent release

0,94 mg/l freshwater short-term

0,094 mg/l marine water short-term

10 mg/l sewage treatment plant (STP) short-term

10,2 mg/kg freshwater sediment short-term

0,102 mg/kg marine sediment short-term

1,48 mg/kg soil short-term

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.

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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:	Depending on the pigment used.
Odour:	Characteristic
Melting point/freezing point:	Not available
Boiling point or initial boiling point and boiling range:	Not available
Flammability:	Highly flammable liquid and vapour.
Lower and upper explosion limit:	Not available
Flash point:	10 °C [Methyl methacrylate]
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.

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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, the classification criteria are not met.

ATE MIX dermal (mg/kg): Not classified (no significant component).

ATE MIX inhalation (mg/l/4h): Not classified (no significant component).

The acute toxicity of the mixture (ATEmix) is calculated based on the appropriate conversion coefficient contained 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.

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.

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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.

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

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14.1 UN number or ID number

ADR/RID/IMDG/IATA: **UN1866**

14.2 UN proper shipping name

ADR/RID/IMDG/IATA: RESIN SOLUTION

14.3 Transport hazard class (es)

ADR/RID/IMDG/IATA: 3

14.4 Packing group

ADR/RID/IMDG/IATA: II

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 Regulated 2023-2025

Classification code: F1
Tunnel restriction code: [D/E]
Transport category: 2
Limited Quantity: 5 L
Excepted quantities (EQ): E2
Packing instructions: P001.IBC02.R001
Special provisions [4.1.4]: PP1
Mixed Packing: MP19
Special provisions [8.5]: S2; S20
Hazard identification No. 33

RID 2023-2025

Classification code: F1
Transport Category: 2
Limited Quantities (3.4.6): 5L
Excepted Quantities: E2
Special provisions [4.1.4]: PP1
Mixed Packing: MP19
Packing instructions: P001.IBC02.R001
Express Parcels: CE7
Hazard Identification Number: 33

IMDG [41-42]

EmS Code: F-E, S-E
Stowage and hanging: B
Limited Quantities: 5L
Excepted Quantities: E2
Packing instructions: P001; IBC02

IATA [65]

IATA (Passenger and Cargo Aircraft)

Expected quantities except for passenger and cargo aircraft (IATA): E1

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Limited quantities for passenger
and cargo aircraft (IATA): Y341
Maximum net quantity for
limited quantities on passenger
and cargo aircraft (IATA): 1L
Packaging instructions for
passenger and cargo aircraft (IATA): 353
Maximum net quantity for limited
quantities on passenger
and cargo aircraft (IATA): 5L
IATA (Cargo Aircraft Only)
Packaging instructions for
cargo aircraft only (IATA): 364
Maximum net quantity for
cargo aircraft only (IATA): 60L
Special provisions (IATA): A3
ERG code (IATA): 3L

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

2012/18/UE (Seveso III)	P5c Flammable liquids, categories 2 or 3 not covered by P5a and P5b Qualifying quantity (tonnes) for the application of lower and upper-tier requirements 5.000 /50.000
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Dangerous substances with restrictions (REACH, Annex XVII)	
48.Toluene [108-88-3]	
Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public	

Regulation on drug precursors	
Toluene [108-88-3]	Category 3

Other legislation:

- 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.
- 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.
- 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.

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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).

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
Flam. Liq. 2	H225	Flash point

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	Causes skin irritation.
H302	Harmful if swallowed.
H361	Suspected of damaging fertility or the unborn child.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure
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

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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
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).

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.