Europox SLR Component B

Prepared in accordance with Regulation (EU) **2020/878** amending Annex II to REACH (Regulation (EC) No 1907/2006)

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

1.1 Product identifier

Europox SLR Component B

Unique Formula Identifier UFI: J440-70X0-C00T-KE0P

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

Identified uses Two-component epoxy resin for industrial and professional use. Hardener.

SU3 Industrial uses.

SU 22 Professional uses.

Uses advised against: Uses other than those identified above, especially consumer use or applications not in accordance with supplier's instructions.

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.: + 48 609 222 050

www.eurostep.pl

Product technical information: email: 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	Vergiftungsinformationszentra le (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	Κέντρου 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	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 (Wirtschaftgebäude), 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	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai	Nagyvárad tér 2. 1437 Budapest, Pf. 839	+36 80 20 11 99	

	Tájékoztató Szolgálat	1097 Budapest		
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 Antiveleni Dipartimento di Tossicologia Clinica, Universita 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 thepurpose 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 InformaçãoAntivenenosInstituto 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 toxikologickéinformačné centrum UniverzitnánemocnicaBratislava, pracoviskoKramáre, Klinikapracovnéholekárstva a toxikológie	Limbová 5 833 05 Bratislava	+421 2 54 77 41 66	
Slovenia	Center za kliničnotoksikologijo in farmakologijoInternaklinika, 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)

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

Harmful if inhaled. (H332)

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

Causes severe skin burns and eye damage. (H314)

Serious eye damage/eye irritation, Hazard Category 1 [Eye Dam. 1]

Causes serious eye damage. (H318)

Sensitisation -Skin, hazard category 1, 1A, 1B [Skin Sens. 1]
May cause an allergic skin reaction (H317)
Reproductive toxicity, Hazard Category 2 [Repr. 2]
Suspected of damaging the unborn child. (H361d)
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
Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diyldiphenol with 2-(chloromethyl)oxirane; Benzyl alcohol; m-phenylenebis(methylamine); Salicylic acid
Hazard statement(s)
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statement(s):
Prevention
P260 Do not breathe vapours/ spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
Disposal
P501 Dispose of contents/container in accordance with national waste disposal regulations.

2.3 Other hazards

PBT/vPvB assessment:
The mixture does not contain any components identified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.
Endocrine-disrupting properties – Toxicological information (Section 11):
The mixture does not contain any components with endocrine-disrupting properties in accordance with REACH Article 57(f), Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605, at concentrations of 0.1% or higher.
Salicylic acid (CAS 69-72-7) – substance under assessment for endocrine-disrupting properties within the scope of the BPR; assessment ongoing.

Endocrine-disrupting properties – Ecological information (Section 12):
The mixture does not contain any components with endocrine-disrupting properties in accordance with REACH Article 57(f), Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605, at concentrations of 0.1% or higher.
Salicylic acid (CAS 69-72-7) – substance under environmental endocrine-disruptor assessment within the BPR; assessment ongoing.

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: 38294-64-3 EC No: 500-101-4 Index No: REACH No: 01-2119965165-33-xxxx	Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diyldiphenol with 2-(chloromethyl)oxirane	25<x<50	GHS07 GHS05 Dgr	Skin Corr. 1B Eye Dam. 1 Skin Sens. 1 Aquatic Chronic 2	H314 H318 H317 H412
CAS No: 100-51-6 EC No: 202-859-9 Index No: 603-057-00-5 REACH No: 01-2119492630-38-xxxx	Benzyl alcohol [1]	25<x<50	GHS07 Wng	Acute Tox. 4 Acute Tox. 4 Skin Sens 1B Oral ATE = 1 200 mg/kg	H332 H302 H317
CAS No: 1477-55-0 EC No: 216-032-5 Index No: REACH No: 01-2119480150-50-xxxx	m-phenylenebis(methylamine) [1]	10<x<25	GHS05 GHS07 Dgr	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B Eye Dam. 1 Skin Sens. 1	H302 H332 H314 H318 H317
CAS No: 69-72-7 EC No: 200-712-3 Index No: 607-732-00-5 REACH No: 01-2119486984-17-xxxx	Salicylic acid	3<x<10	GHS08 GHS05 GHS07 Dgr	Eye Dam. 1 Acute Tox. 4 Repr. 2	H318 H302 H361d

[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

Inhalation: If symptoms occur, move the affected person to fresh air and keep them at rest. If symptoms persist, seek medical advice.

Skin contact: Immediately remove contaminated clothing. Rinse skin thoroughly with plenty of water for at least 15 minutes. Do not rub the affected area. Apply a sterile dry dressing. Consult a physician immediately.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes, keeping eyelids open. Remove contact lenses if present and easy to do. Avoid rubbing eyes. If irritation persists, consult an ophthalmologist.

Ingestion: Do not induce vomiting. Rinse mouth with water (only if the person is conscious). If symptoms develop, seek medical attention and show the container or safety data sheet**.**

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2.2 (label elements) and Section 11 (toxicological information). Skin contact may cause severe chemical burns, pain, tissue necrosis, and scarring. Eye contact may result in serious eye damage, including irreversible vision loss. Symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed. In case of skin sensitisation – avoid further exposure.

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO_2)

Unsuitable extinguishing media:

Jet water.

5.2 Special hazards arising from the substance or mixture

In case of fire, hazardous decomposition products may be released, such as carbon oxides, nitrogen oxides, fumes containing epoxy compounds, and other unidentified toxic 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

Avoid contact with skin and eyes. Ensure adequate ventilation. Wear appropriate personal protective equipment – protective gloves, safety goggles, and protective clothing. In case of large spills – evacuate unprotected personnel.

6.2 Environmental precautions

Prevent release into drains, surface water, or soil. In case of significant spillage, inform relevant authorities.

6.3 Methods and material for containment and cleaning up

Absorb small amounts with inert material (e.g., sand, diatomaceous earth). Transfer to suitable, labelled containers for disposal in accordance with local regulations. Clean the contaminated area using detergent. Do not use solvents..

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 exposure during pregnancy. Persons of childbearing age should take appropriate precautions. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Do not breathe vapours or aerosols. Follow general rules for handling chemicals and maintain proper occupational hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original containers in a cool, dry and well-ventilated area. Protect from direct sunlight and sources of heat or ignition. Do not store together with strong oxidising agents, acids or bases.

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]

	Limit value - Eight hours		Limit value - Short term	
	ppm	**mg/m³**	**ppm**	**mg/m³**
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

m-Phenylenebis(methylamine) CAS-No.: 1477-55-0

	Limit value - Eight hours		Limit value - Short term	
	[ppm]	**[mg/m³]**	**[ppm]**	**[mg/m³]**
Austria	0.1			
Belgium				0.1
Denmark	0,02	0,1	0,02 (1)	0,1 (1)
Finland				0,1 (1)
France				0,1
Ireland	0,1			
Norway				0,1(1)
Switzerland	0,1			

Remarks:
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. Additional indication "M" means that irritation occurs when the exposure exceeds the limit value or there is a risk of acute poisoning. The work process must be designed in such a way that the exposure never exceeds the limit value. For evaluation, the sampled period should be as short as possible. However, the sampled period shall be long enough to perform a reliable measurement. The measured result shall be related to the considered period.
Denmark (1) Ceiling limit value
Finland (1) Ceiling limit value
Norway (1) Ceiling limit value

DNEL/PNEC
100-51-6 Benzyl alcohol
DNEL:
Workers:
Dermal, acute, systemic effects: 40 mg/kg bw/day
Dermal, long-term, systemic effects: 8 mg/kg bw/day
Inhalation, acute, systemic effects: 110 mg/m³
Inhalation, long-term, systemic effects: 22 mg/m³
General population:

Oral, acute, systemic effects: 20 mg/kg bw/day
Oral, long-term, systemic effects: 4 mg/kg bw/day
Dermal, acute, systemic effects: 20 mg/kg bw/day
Dermal, long-term, systemic effects: 4 mg/kg bw/day
Inhalation, acute, systemic effects: 27 mg/m³
Inhalation, long-term, systemic effects: 5.4 mg/m³
PNEC:
Freshwater: 1 mg/L
Marine water: 0.1 mg/L
Sediment (freshwater): 5.27 mg/kg sediment
Sediment (marine water): 0.527 mg/kg sediment
STP (sewage treatment plant): 39 mg/L
Soil: 0.456 mg/kg soil dw
1477-55-0 m-Phenylenebis(methylamine)
DNEL:
Workers:
Dermal, long-term, systemic effects: 0.33 mg/kg bw/day
Inhalation, long-term, systemic effects: 1.2 mg/m³
Inhalation, long-term, local effects: 0.2 mg/m³
PNEC:
Freshwater: 0.094 mg/L
Marine water: 0.009 mg/L
Sediment (freshwater): 0.43 mg/kg sediment
Sediment (marine water): 0.043 mg/kg sediment
STP: 10 mg/L
Soil: 0.045 mg/kg soil dw
69-72-7 Salicylic acid
DNEL:
Workers:
Dermal, long-term, systemic effects: 2.3 mg/kg bw/day
Inhalation, acute, systemic effects: 5 mg/m³
Inhalation, long-term, systemic effects: 5 mg/m³
General population:
Oral, long-term, systemic effects: 1 mg/kg bw/day
Dermal, long-term, systemic effects: 1 mg/kg bw/day
Inhalation, long-term, systemic effects: 4 mg/m³
PNEC:
Freshwater: 0.2 mg/L
Marine water: 0.02 mg/L
Sediment (freshwater): 1.42 mg/kg sediment
Sediment (marine water): 0.142 mg/kg sediment
STP: 162 mg/L
Soil: 0.166 mg/kg soil dw
38294-64-3 Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diyldiphenol with 2-(chloromethyl)oxirane
DNEL:
Workers:
Dermal, long-term, systemic effects: 0.14 mg/kg bw/day
General population:
Oral, long-term, systemic effects: 0.05 mg/kg bw/day
Dermal, long-term, systemic effects: 0.05 mg/kg bw/day
PNEC:

Intermittent release: 0.111 mg/L
Freshwater: 0.011 mg/L
Marine water: 0.001 mg/L
Sediment (freshwater): 4320 mg/kg sediment
Sediment (marine water): 432 mg/kg sediment
STP: 10 mg/L
Soil: 864 mg/kg soil dw
Oral (secondary poisoning): 1 mg/kg food

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.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure effective general and/or local exhaust ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear tightly fitting safety goggles or glasses in accordance with EN 166.
Skin protection:	Use chemical-resistant protective gloves. Recommended glove material: nitrile rubber. For short-term contact, use protective gloves with a protection level of at least 2 (breakthrough time > 30 minutes according to EN 374). For prolonged contact, use protective gloves with protection level 6 (breakthrough time > 480 minutes). Wear protective clothing and footwear resistant to chemicals.
Respiratory protection:	If ventilation is insufficient, use appropriate respiratory protection (e.g., mask with A1/P2 filter).
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash hands before breaks and after finishing work.

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:	Cream to light beige
Odour:	Characteristic
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not applicable (product is insoluble in water)
Kinematic viscosity:	No data available
Solubility:	Insoluble in water
Partition coefficient n-octanol/water (log value):	No data available
Vapour pressure:	No data available
Density and/or relative density:	No data available
Relative vapour density:	No data available

Particle characteristics: Not applicable [Liquid]

9.2 Other information

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

Information unavailable.

9.2.2 **Other safety characteristics**

Information unavailable.

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity under normal storage and use conditions.

10.2 Chemical stability

Stable under recommended storage and usage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are known if used as directed.

10.4 Conditions to avoid

Avoid overheating, open flames, and sources of ignition.

10.5 Incompatible materials

Avoid contact with strong acids, bases, amines, and oxidising agents.

10.6 Hazardous decomposition products

In case of fire or thermal decomposition, carbon oxides, nitrogen oxides, fumes containing epoxy compounds and other unidentified toxic substances may be released.

11 SECTION 11: TOXICOLOGICAL INFORMATION

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

Toxicity of components

Benzyl alcohol

ATE (oral): 1200 mg/kg

1477-55-0 m-Phenylenebis(methylamine)

Oral: LD_{50} = 930 mg/kg (rat)

Dermal: LD_{50} > 3100 mg/kg (rat)

69-72-7 Salicylic acid

Oral: LD_{50} = 891 mg/kg (rat, male)

Dermal: LD_{50} > 2000 mg/kg (rat)

Toxicity of mixture

Acute toxicity

ATE MIX oral (mg / kg): ~ 909 Harmful if swallowed.

ATE_{MIX} dermal(mg/kg): >2.000 Based on available information, classification criteria are not met.

ATE_{MIX} inhalation (mg/l/4h): ~1265 Harmful if inhaled.

*ATEmix 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

Based on available information, classification criteria are not met.
Reproductive toxicity
Suspected of damaging the unborn child.
STOT-single exposure:
Based on available information, classification criteria are not met.
STOT-repeated exposure;
Based on available information, classification criteria are not met.
Aspiration hazard
Based on available information, classification criteria are not met.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The mixture does not contain components identified as having endocrine-disrupting properties in accordance with Article 57(f) of REACH Regulation, Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100 at concentrations ≥ 0.1%.

Salicylic acid (CAS 69-72-7) – substance under assessment for endocrine-disrupting properties within the scope of the BPR; **assessment ongoing**.

11.2.2 Other information

No known information.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of components

38294-64-3 – Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diyldiphenol with 2-(chloromethyl)oxirane
Daphnia (Daphnia magna): LC_{50} / 48 h: 11.1 mg/l
Daphnia (Daphnia magna): LC_{50} / 96 h: 11.1 mg/l
Fish: LC_{50} / 96 h: 70.7 mg/l
Algae: EC_{50} / 72 h: 79.4 mg/l
100-51-6 – Benzyl alcohol:
Fish (Pimephales promelas): LC_{50} / 96 h: 460 mg/l
Daphnia (Daphnia magna): LC_{50} / 21 d: 6.77 mg/l
Daphnia (Daphnia magna): EC_{50} / 24 h: 35.1 mg/l
Daphnia (Daphnia magna): EC_{50} / 48 h: 15.2 mg/l
Algae: EC_{50} / 72 h: 20.3 mg/l
Daphnia (Daphnia magna): EC_{50} / 21 d: 8.4 mg/l
69-72-7 – Salicylic acid:
Daphnia (Daphnia magna): EC_{50} / 48 h: 230 mg/l
Daphnia (Daphnia magna): EC_{50} / 48 h: 870 mg/l
Algae: EC_{50} / 72 h: 770 mg/l
Algae: EC_{50} / 72 h: > 100 mg/l
1477-55-0 m-phenylenebis(methylamine)
Fish (Leuciscus idus): LC_{50} / 96 h: 87.6 mg/l

Toxicity of product

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. Some ingredients are poorly biodegradable and may persist in the aquatic environment.

12.3 Bioaccumulative potential

Some components may have bioaccumulation potential.

Benzyl alcohol (100-51-6)

(Log Pow) 1.1

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 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 mixture does not contain components considered to have endocrine-disrupting properties for the environment in accordance with Article 57(f) of the REACH Regulation, Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

Salicylic acid (CAS 69-72-7) – substance under environmental endocrine-disruptor assessment within the BPR; **assessment ongoing**.

12.7 Other adverse effects

Do not allow product to enter the environment. May cause long-term adverse effects in aquatic ecosystems.

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Mixture:

Do not dispose of with household waste. Product residues should be treated as hazardous waste. Dispose of in accordance with national and local regulations. Recommended waste code: **08 04 09*** waste adhesives and sealants containing organic solvents or other hazardous substances [*waste adhesives and sealants containing dangerous substances (epoxy resins)*.]

Packaging:

Contaminated packaging should be emptied as much as possible and disposed of in compliance with local waste regulations. If the packaging cannot be properly cleaned, it should be treated as hazardous waste. Recommended waste code: **15 01 10*** – *packaging containing residues of or contaminated by hazardous substances*.

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

14 SECTION 14: TRANSPORT INFORMATION

The mixture is subject to the regulations governing the transport of dangerous goods contained in ADR (road transport), RID (rail transport), ADN (inland waterway transport), IMDG (maritime transport), and ICAO/IATA (air transport).

14.1 UN number or ID number

ADR/ARID/IMDG/IATA: **UN 2735**

14.2 UN proper shipping name

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

Special provision 274: Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diyldiphenol with 2-(chloromethyl)oxirane

14.3 Transport hazard class(es)

ADR/RID/ IMDG/IATA: 8

14.4 Packing group

ADR/RID/ IMDG/IATA: II

14.5 Environmental hazards

ADR/RID/ IMDG/IATA: The product is not classified as hazardous to the environment according to the criteria laid down in the UN Model Regulations.

14.6 Special precautions for user

ADR

Classification code:	C7
Tunnel restriction code:	[E]
Transport category:	2
Limited and excepted Packaging	
Quantities 3.4 :	1 L
Limited and excepted Packaging	
Quantities 3.5.1.2	E2
Mixed packing provisions:	MP15
Packing instructions:	P001 IBC02
Special provisions	'274
Special provisions for carriage	
Loading,unloading and handling	CV13
Special provisions for carriage Packages :	V12
Hazard identification No:	80

RID

Classification code:	C7
Transport category:	2
Limited and excepted Packaging	
Quantities 3.4 :	1 L
Limited and excepted Packaging	
Quantities 3.5.1.2	E2
Mixed packing provisions:	MP15
Packing instructions:	P001 IBC02
Special provisions	'274
Special provisions for carriage	
Loading,unloading and handling	CV13
Special provisions for carriage Packages :	W12
Express shipments::	CE6
Hazard identification No.	80

IMDG:

Special provisions	274
Limited Quantity:	1L
Quantities 3.5.1.2	E2
EmS-No. (Fire) :	F-A
EmS-No. (Spillage) :	S-B
Stowage category (IMDG) :	A
Segregation:	SGG18 SG35
Packing instructions:	P001; IBC02

IATA

Label	Corrosive
PCA Excepted quantities (IATA) :	E2
PCA Limited quantities (IATA) :	Y840
PCA limited quantity max net quantity (IATA) :	0.5 L
PCA packing instructions (IATA) :	851
PCA max net quantity (IATA) :	1L

CAO packing instructions (IATA) :	855
CAO max net quantity (IATA) :	30L
Special provision (IATA) :	A803
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. **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.
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)

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

SDS issued by: Małgorzata Krenke Feed Reach Consulting E-mail: biuro@frc.com.pl

Classification according to Regulation (EC) No 1272/2008		
Skin Sens. 1	H317	calculation method
Aquatic Chronic 3	H412	calculation method
Skin Corr. 1B	H314	calculation method
Eye Dam. 1	H318	calculation method
Repr. 2	H361d	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
H361d	Suspected of damaging the unborn child.
Repr. 2	Reproductive toxicity, Hazard Category 2
H317	May cause an allergic skin reaction
Skin Sens. 1	Sensitisation — Skin, hazard category 1, 1A, 1B
H412	Harmful to aquatic life with long lasting effects.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
H314	Causes severe skin burns and eye damage.
Skin Corr. 1A /B/C	Skin corrosion/irritation, Hazard Category 1, Sub-Categories 1A, 1B, 1C
H318	Causes serious eye damage.
Eye Dam 1	Serious eye damage/eye irritation, Hazard Category 1.
H332	Harmful if inhaled.
Acute Tox4	Acute toxicity (inhal.), Hazard Category 4

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
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.