

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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

Plexmix EL Component A

UFI: TA20-M0EN-X00E-P7SA

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

Identified uses Curing Agent.

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

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

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

1.3 Details of the supplier of the safety data sheet

Eurostep Poland Sp. z o.o.

95-054 Ksawerów

ul. Tymiankowa 37/39; Poland

Tel.: 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	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 Klinická pracoviště lékařství 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 Kyriakou	11762 Athens	+30 2 10 779 3777	

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Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 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 holekárstva a toxikológie	Limbová 5 833 05 Bratislava	+421 2 54 77 41 66	
Slovenia	Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
Spain	Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla	Carretera de San Jerónimo Km 0,4 41080 Sevilla	+34 91 562 04 20	(Toxicological emergencies only). Information in Spanish (24/7)
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66
Switzerland	Tox Info Suisse	Freiestrasse 16 8032 Zürich	145	

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

This mixture does not present a physical hazard.

Health hazards

Reproductive toxicity, Hazard Category 1A, 1B [Repr. 1B]

May damage fertility or the unborn child. (H360)

Environmental hazards:

Hazardous to the aquatic environment - Chronic Hazard, Category 2 [Aquatic Chronic 2]

Toxic to aquatic life with long lasting effects. (H411)

SAFETY DATA SHEET

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2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS08

GHS09

Signal word: **Danger**

Substances which influenced classification

Tris(methylphenyl) phosphate

Hazard statement(s)

H360 May damage fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention

P201 Obtain special instructions before use.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing.

Response

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

P391 Collect spillage.

Storage

P405 Store locked up.

Disposal

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

Supplementary information

EUH208 Contains < Bis(2,4-dichlorobenzoyl) peroxide >. May produce an allergic reaction.

2.3 Other hazards

The substance does not meet the criteria for PBT or vPvB mixtures according to Annex XIII of the REACH Regulation (EC) No. 1907/2006.

PBT substances (Persistent, Bioaccumulative, and Toxic substances).

vPvB substances (very Persistent and very Bioaccumulative substances).

Ecological information:

The substance does not have endocrine-disrupting properties for the environment according to Article 57(f) of the REACH Regulation, Commission Regulation (EU) 2018/605, or Commission Delegated Regulation (EU) 2017/2100.

Toxicological information:

The substance does not have endocrine-disrupting properties according to Article 57(f) of the REACH Regulation, Commission.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable.

SAFETY DATA SHEET

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3.2 Mixtures:

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS No: 14808-60-7 EC No: 238-878-4 Index No: REACH No: Not subject to registration (Annex V, point 7 of the REACH Regulation)	<u>Quartz (SiO₂)</u> [1]	<70	_____	Not Classified	_____
CAS No: 1330-78-5 EC No 215-548-8 Index No: REACH No: <t	Tris(methylphenyl) phosphate	<3	GHS08 GHS09 Wng	STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	H361 H400 H410
CAS No: 16389-88-1 EC No 240-440-2 Index No: REACH No: Not subject to registration (Annex V, point 7 of the REACH Regulation)	<u>Dolomite</u> [1]	<25	_____	Not Classified	_____
CAS No: 13463-67-7 EC No 236-675-5 Index No: 022-006-00-2 REACH No: <1t	<u>Titanium dioxide</u> [1.3]	<0.5	_____	Not Classified	_____
CAS No No: 133-14-2 EC No 205-094-9 Index No: REACH No: <1t	Bis(2,4-dichlorobenzoyl) peroxide	0.3<x<0.5	GHS08 GHS07 GHS02 Dgr	Org. Perox. D Skin Sens. 1 Repr. 1B	H242 H317 H360
CAS No: 63148-62-9 EC No: 613-156-5 Index No: REACH No: <1t	<u>Polydimethylsiloxane</u> [1]	<0.5	_____	Not Classified	_____

[1] Substance with national exposure limit in the workplace.

[3] Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or in particles with aerodynamic diameter ≤ 10 µm.

Full H phrases are specified in point 16 hereof.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove the affected person from the exposure area to fresh air. Place them in a comfortable semi-reclining or seated position, ensure calmness, and protect them from heat loss. Seek medical attention if necessary.

Skin Contact: Remove contaminated clothing and rinse the skin thoroughly with lukewarm running water. If skin irritation persists, seek medical advice.

SAFETY DATA SHEET

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VERSION: 1.0/EN

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Eye Contact: Rinse immediately with plenty of cool running water, preferably for at least 15 minutes. Remove contact lenses if present. Avoid using a strong stream of water to prevent mechanical damage to the cornea. If irritation persists, consult an ophthalmologist.

Ingestion: If a large amount is swallowed, do not induce vomiting. Rinse the mouth thoroughly with plenty of water. Contact a physician.

4.2 Most important symptoms and effects, both acute and delayed

Contact with skin: May cause an allergic skin reaction.

Contact with eye: Redness, mild irritation, tearing.

Ingestion: Possible abdominal pain, nausea.

Inhalation: In case of exposure to high vapour concentration possible irritation of respiratory tract, headache.

4.3 Indication of any immediate medical attention and special treatment needed

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

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO₂)

Unsuitable extinguishing media:

Jet water.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

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

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the affected area. Avoid direct contact with releasing product. Avoid breathing vapors. Use personal protective equipment. Avoid contact with eyes and skin. Provide adequate ventilation. Remove all sources of ignition, extinguish flames, prohibit smoking. Danger of slipping on spilled product.

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

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Collect mechanically while avoiding the generation of dust. Treat the collected material as waste or transfer it for reuse. Clean and ventilate the affected area.

6.4 Reference to other sections

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

SAFETY DATA SHEET

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7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with eyes and skin. Before the break and after work wash your hands. Unused containers should be tightly closed. Ensure adequate ventilation in the premises where the product is used. Do not inhale the vapors. Keep away from the mouth. Do not allow to create the fumes in the concentrations higher than combustion limits.

7.2 Conditions for safe storage, including any incompatibilities

Store only in a cool, dry place, recommended storage temperature Keep away from sources of ignition and heat. Do not smoke, use open flame and sparking devices in a warehouse. Do not store with incompatible materials (subsection 10.5). Keep away from food, beverages or feed for animals.

7.3 Specific end use(s)

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

8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Quartz [14808-60-7]			
Limit value - Eight hours		Limit value - Short term	
[ppm]	[mg/m ³]	[ppm]	[mg/m ³]
Austria	0.05(1)(2)		
Belgium	0.1		
Denmark	0,3 inhalable aerosol 0,1 respirable aerosol	0,6 inhalable aerosol 0,2 respirable aerosol	
Finland	0.05(1)		
France	0,1 respirable aerosol		
Hungary	0,15 respirable aerosol		
Ireland	0,1 (1)		
Norway	0,3 (1) 0,1 (2)		
Poland	0.1(1)		
Spain	0,05 (1)		
Sweden	0,1 (1)		
Switzerland	0,15 respirable aerosol		
The Netherlands	0,075 respirable dust		
Remarks:			
Austria(1) MAK value (2) Respirable fraction			
Finland (1) Respirable fraction			
France Bold type: Restrictive statutory limit values			
Ireland(1) Respirable fraction			
Norway (1) Total dust (2) Respirable fraction			
Poland(1) Respirable fraction			
Spain (1) Respirable fraction			
Sweden (1) Respirable fraction			
Titanium dioxide [13463-67-7]			
Limit value - Eight hours		Limit value - Short term	
ppm	mg/m ³	ppm	mg/m ³
Belgium	10		

SAFETY DATA SHEET

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VERSION: 1.0/EN

Plexmix EL Component A

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Denmark	6 total dust	12 total dust
France	11 inhalable aerosol	
Germany (DFG)	0,3 (1)(2)	2,4 (1)(2)(3)
Ireland	10 (1)	
	4 (2)	
Latvia	10	
New Zealand	10 (1)	
Norway	5	
Poland	10 (1)	
Romania	10	15 (1)
Spain	10 (1)	
Sweden	5 inhalable aerosol	
Switzerland	3 respirable aerosol	
United Kingdom	10 inhalable aerosol	
	4 respirable aerosol	
Remarks		
Germany (DFG)	(1) Respirable fraction, except ultrafine particles (2) Multiplied by the material density (3) 15 minutes average value	
Ireland	(1) Inhalable fraction (2) Respirable fraction	
Japan (JSOH)	(1) nanoparticle, as Ti	
Poland	(1) Inhalable fraction	
Romania	(1) 15 minutes average value	
Spain	(1) Inhalable fraction	
Dolomite [16389-88-1]		
	Limit value - Eight hours	Limit value - Short term
	ppm mg/m ³	ppm mg/m ³
Latvia	6	
Poland	10 (1)	
Remarks		
Poland	(1) Inhalable fraction	
Polydimethyl siloxane [63148-62-9/ 8050-81-5]		
	Limit value - Eight hours	Limit value - Short term
	Ppm mg/m ³	ppm mg/m ³
Romania	60	80 (1)
Remarks		
Romania	(1) 15 minutes average value	

Recommended monitoring procedures

Procedures shall be in place to monitor the air concentrations of hazardous components and, where available and justified at the workplace, to control the cleanliness of air in the workplace in accordance with relevant Polish or European Standards, taking into account the conditions at the exposure site and the appropriate measurement methodology adapted to the working conditions.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

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

SAFETY DATA SHEET

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VERSION: 1.0/EN

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8.2.2 Individual protection measures, such as personal protective equipment

Hand and body protection

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

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

Eye/face protection

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

Respiratory protection:

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

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

8.3 Environmental exposure controls

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

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information unavailable.

SAFETY DATA SHEET

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9.2.2 Other safety characteristics

Information unavailable

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and usage conditions.

10.3 Possibility of hazardous reactions

Stable under normal conditions of use and storage.

10.4 Conditions to avoid

Extremely high or low temperatures, humidity.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds. Reference to other sections: 5.2.

11 SECTION 11: TOXICOLOGICAL INFORMATION

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

Toxicity of components

Tris(methylphenyl) phosphate

LD50 Oral, rat: 15,750 mg/kg

LC50 Inhalation, rat, 1 h: 11.1 mg/l

LD50 Dermal, rabbit: 3,700 mg/kg

Toxicity of mixture

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

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

ATE_{MIX} inhalation (mg / l / 4h): >5 [dust]. The mixture does not contain substances classified in this hazard class.

*ATE_{MIX} value was calculated using relevant converted acute toxicity point estimate included in 3.1.2 table from Regulation 1272/2008/EC

Skin corrosion/irritation:

Based on available information, classification criteria are not met.

Serious eye damage/irritation :

Based on available information, classification criteria are not met.

Respiratory or skin sensitisation

Contains < Bis(2,4-dichlorobenzoyl) peroxide >. 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

May damage fertility or 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.

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Aspiration hazard

Based on available information, classification criteria are not met.

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

Contact with skin: May cause an allergic skin reaction.

Contact with eye: Redness, mild irritation, tearing.

Ingestion: Possible abdominal pain, nausea.

Inhalation: In case of exposure to high vapour concentration possible irritation of respiratory tract.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

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

11.2.2 Other information

Not applicable to substances.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of components

Tris(methylphenyl) phosphate

Toxicity to fish: static test

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.6 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates: static test

EC50 - *Daphnia magna* (Water flea) - 0.146 mg/l - 48 h (Method: OECD Test Guideline 202)

Toxicity to algae: static test

ErC50 - *Desmodesmus subspicatus* (green algae) - 0.404 mg/l - 72 h (Method: OECD Test Guideline 201)

Toxicity to bacteria: Respiration inhibition

EC50 - Sludge Treatment - 1,000 mg/l - 3 h (Method: OECD Test Guideline 209)

Toxicity of mixture

Toxic to aquatic life with long lasting effects

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

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

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

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

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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. .

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

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

14 SECTION 14: TRANSPORT INFORMATION



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/RID/IMDG/IATA: **UN3077**

14.2 UN proper shipping name

ADR/RID/IMDG/IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Special provisions 274: Tris(methylphenyl) phosphate

14.3 Transport hazard class(es)

ADR/RID/IMDG/IATA: 9

14.4 Packing group

ADR/RID/IMDG/IATA: III

14.5 Environmental hazards

ADR/RID/IMDG/IATA: The product is classified as dangerous for the environment according to criteria contained in the transport rules.

SP 375 These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

14.6 Special precautions for user

ADR

Classification Code:	M7
Tunnel restriction code:	[-]
Transport category:	3
Limited Quantity:	5 kg
Excepted quantities:	E1
Mixed packing provisions:	MP10
Packing instructions:	P002; LP02; IBC08.R001
Special provisions:	375 ;274;335;601
Special packing provisions:	PP12
Special provisions for carriage - Packages:	V13

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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)

Special provisions for carriage - Bulk:	VC1, VC2
Special provisions for carriage - Loading, unloading and handling:	CV13
Hazard identification number (Kemler No.):	90
<u>RID</u>	
Classification Code:	M7
Transport category:	3
Limited Quantity:	5 kg
Excepted quantities:	E1
Mixed packing provisions:	MP10
Packing instructions:	P002; LP02; IBC08.R001
Special provisions:	375 ,274;335;601
Special packing provisions:	PP12, B3
Special provisions for carriage – Packages:	W13
Special provisions for carriage – Bulk:	VC1, VC2
Special provisions for carriage - Loading, unloading and handling:	CW13, CW31
Colis express (express parcels):	CE11
Hazard identification number:	90
<u>IMDG:</u>	
Special provisions	274. 335. 966.967.969
Special packing provisions:	PP12
IBC special provisions:	B3
EmS:	F-A, S-F
Category	A
Limited Quantity:	5 kg
Excepted quantities:	E1
Packing instructions:	P002.LP02.IBC08
<u>IATA</u>	
<u>IATA (Passenger and Cargo Aircraft)</u>	
Excepted Quantity Code:	E1
Ltd Qty Pkg Inst.	Y956
Ltd Qty Max Net Qty/Pkg:	30 kg G
Packing instructions::	956
Max Net Qty/Pkg:	450 Kg
<u>IATA Cargo Aircraft only</u>	
Packing instructions:	956
Max Net Qty/Pkg:	450 Kg
Special provisions:	A97.A158.A179.A197.A215
ERG Code :	9L

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

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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)

2012/18/EU (Seveso III)

E2 environmental hazards (hazardous to the aquatic environment, cat. 2

Qualifying quantity (tonnes) for the application of lower and upper-tier requirements
200 500

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).

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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)

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).

The information above is based on the currently available data concerning the product and the experience and knowledge in this field of the producer. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. **Eurostep Poland Sp. z o.o.** shall not be held liable for any damage resulting from handling or from contact with the above product.

Classification according to Regulation (EC) No 1272/2008

Repr. 1B	H360	calculation method
Aquatic Chronic 2	H411	calculation method

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

H317	May cause an allergic skin reaction
Skin Sens. 1	Sensitisation — Skin, hazard category 1, 1A, 1B
H412	Harmful to aquatic life with long lasting effects
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
H315	Causes skin irritation.
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2
H319	Causes serious eye irritation.
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2
H400	Very toxic to aquatic life
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
H361	Suspected of damaging fertility or the unborn child
Repr. 2	Reproductive toxicity, Hazard Category 2
H360	May damage fertility or the unborn child
Repr. 1B	Reproductive toxicity, Hazard Category 1B
H242	Heating may cause a fire
Org. Perox. E	Self-Reactive Substances and Mixtures, Types C, D, E, F 2.1.5 — Organic Peroxides, Types C, D, E, F

Explanation of returns

SAFETY DATA SHEET

date of issue: 25.11.2024

VERSION: 1.0/EN

Plexmix EL Component A

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)

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).