Bondpromotor

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

Bondpromotor

Unique Formula Identifier UFI: Q940-809S-Y00T-W35T

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

Identified uses Adhesion promoter for metal and non-metal surfaces. For industrial and professional applications.
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.: (42) 235-28-88
www.eurostep.com.pl
Product technical information: eurostep@eurostep.com.pl

1.4 Emergency telephone number

Nationwide emergency telephones **(Mon-Fri 8:00 – 16:00): (+48) (42) 235-28-88**
112 (emergency telephone number)

Emergency telephone number

Country	Official advisory body	Address	Emergency number	Remark
Austria	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:

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

Highly flammable liquid and vapour. (H225)

Health hazards

Skin corrosion/irritation, Hazard Category 2 [Skin Irrit. 2]

Causes skin irritation. (H315)

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)

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 **GHS05** **GHS07**

Signal word: Danger

Substances which influenced classification

Methyl methacrylate; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with phosphorus oxide

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H315 Causes skin 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/ spray.

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.

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.

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.

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	Methyl methacrylate [1,2]	85<x<90	GHS02 GHS07 Dgr	Flam. Liq. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H225 H335 H315 H317
CAS No: 1187441-10-6 EC No: 810-703-1 Index No: REACH No:	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with phosphorus oxide	10<x<15	GHS07 GHS05 Dgr	Eye Dam 1 Skin Sens 1	H318 H317

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

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

Full H phrases are specified in point 16 hereof.

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: 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). Local skin reactions are possible (irritation, redness, contact sensitisation).
Eye contact may cause serious damage, including irreversible loss of vision.
Symptoms may not appear immediately – delayed effects are possible.

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 (CO2)

Unsuitable extinguishing media:

Jet water.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products may include carbon monoxide, carbon dioxide, nitrogen oxides and unidentified organic compounds. Vapours may form explosive mixtures with air. Risk of rapid flame spread.

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

Ensure adequate ventilation at the workplace. If occupational exposure limits are exceeded, use local exhaust ventilation.
Avoid contact with skin and eyes. Do not inhale vapours.
Keep away from sources of ignition – do not use near open flames or hot surfaces.
Do not smoke while handling the product.
Avoid electrostatic charge accumulation – use proper grounding.
Use appropriate personal protective equipment (chemical-resistant gloves, safety goggles, protective clothing).
Observe general occupational hygiene rules. Do not eat, drink or smoke while using the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, well-ventilated place, away from heat sources, open flames and direct sunlight.
Do not store with strong oxidising agents, acids or bases.
Protect from moisture and UV radiation.
Recommended storage temperature: 5–25°C.

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/m³]**	**[ppm]**	**[mg/m³]**

Austria		50	210	100	420
Belgium		50	208	100[1]	416 [1]
Denmark		25[1]	102[1]	50[1.2]	204 [1.2]
European Union		50		100[1]	
Finland		10	42	50[1]	210[1]
France		50	205	100 [1]	410 [1]
Germany	(AGS)	50	210	100[1]	420[1]
	(DFG)	50	210	100[1]	420[1]
Hungary			210		210
Ireland		50		100[1]	
Italy		50		100[1]	
Latvia			10		
Norway		25	100	100[1]	400[1]
Poland			100		300
Romania		50	205	100[1]	410 [1]
Spain		50	100	100[1]	416 [1]
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

DNEL/PNEC
Methyl methacrylate (80-62-6)
DNEL / DMEL
Workers:
– Acute – local effects, dermal: 1.5 mg/cm^2
– Acute – local effects, inhalation: 416 mg/m^3
– Long-term – systemic effects, dermal: 13.67 mg/kg bw/day
– Long-term – local effects, dermal: 1.5 mg/cm^2
– Long-term – systemic effects, inhalation: 348.4 mg/m^3
– Long-term – local effects, inhalation: 208 mg/m^3
General population:
– Acute – local effects, dermal: 1.5 mg/cm^2
– Acute – local effects, inhalation: 208 mg/m^3
– Long-term – systemic effects, oral: 8.2 mg/kg bw/day
– Long-term – systemic effects, inhalation: 74.3 mg/m^3
– Long-term – systemic effects, dermal: 8.2 mg/kg bw/day

– Long-term – local effects, dermal: 1.5 mg/cm²
– Long-term – local effects, inhalation: 104 mg/m³
PNEC:
– Freshwater: 0.94 mg/l
– Seawater: 0.094 mg/l
– Freshwater (intermittent): 0.94 mg/l
– Sediment (freshwater): 10.2 mg/kg dw
– Sediment (marine): 0.102 mg/kg dw
– Soil: 1.48 mg/kg dw
– STP (sewage treatment plant): 10 mg/l

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 local exhaust ventilation at sources of vapour emission.
Explosion-proof ventilation systems recommended in hazardous areas.
Ventilation must be sufficient to maintain airborne concentrations below occupational exposure limits.
Work surfaces should be impermeable, chemically resistant and easy to clean.
Apply proper grounding systems to eliminate electrostatic charges.

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 with a thickness ≥ 0.6 mm and breakthrough time > 480 minutes (EN ISO 374-1).The glove material must be selected according to the nature of exposure – recommended materials: nitrile, butyl rubber or fluoroelastomer.Inspect gloves regularly and follow the manufacturer's instructions.
Respiratory protection:	Use respirators with A-type filter (for organic vapours) if ventilation is inadequate.
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:	Clear to light yellow
Odour:	Characteristic
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	Flammable product
Lower and upper explosion limit:	No data available
Flash point:	<23^{0}C
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 heat, flames, sparks, direct sunlight and contact with polymerisation initiators.

10.5 Incompatible materials

Strong oxidisers, acids, bases, and polymerisation initiators (e.g. peroxides).

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

Methyl methacrylate (80-62-6)

– LD_{50} (oral, rat): 8 500–9 400 mg/kg bw

– LD_{50} (dermal, rabbit): >5 000 mg/kg bw; Method: OECD Guideline 402

– LC_{50} (inhalation, vapour, rat, 4 h): 29.8 mg/l

Toxicity of mixture

Acute toxicity

ATE MIX oral (mg / kg): >2.000 Based on available information, classification criteria are not met.

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

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

*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 skin irritation.

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

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.

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%.

11.2.2 Other information

No known information.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of components

Methyl methacrylate (80-62-6):

– Fish (Oncorhynchus mykiss): LC_{50} (96 h): >79 mg/l
– Crustaceans (Daphnia magna): EC_{50} (48 h): 69 mg/l
– Algae (Raphidocelis subcapitata): EC_{50} (72 h): >110 mg/l
– Daphnia magna: LOEC (21 d): 68 mg/l
– Daphnia magna: NOEC (21 d): 37 mg/l
– Fish (Danio rerio): NOEC (35 d): 9.4 mg/l

Toxicity of product

The mixture does not pose a threat to the environment.

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. Methyl methacrylate is readily biodegradable in water. Biodegradation: 94% in 14 days.

12.3 Bioaccumulative potential

No data available. Methyl methacrylate: Log Kow: 1.38. Low potential for bioaccumulation.

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.

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/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: 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 Regulated

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

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

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

IATA

IATA (Passenger and Cargo Aircraft)

Expected quantities except for passenger and cargo aircraft (IATA):	E1
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 requirements5.000 /50.000

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

Flam. Liq. 2	H225	Flash point
STOT SE 3	H335	calculation method
Skin Sens. 1	H317	calculation method
Skin Irrit. 2	H315	calculation method
Eye Dam 1	H318	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
H315	Causes skin irritation
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2
H335	May cause respiratory irritation.
STOT SE 3	Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation.
H225	Highly flammable liquid and vapour
Flam. Liq. 2	Flammable liquids, Hazard Category 2.
H318	Causes serious eye damage
Eye Dam 1	Serious eye damage/eye irritation, Hazard Category 1.

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.