in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

Revision date Version 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier POXIGLOB - Składnik A - Żywica

Substance / mixture mixture

UFI TM00-G0G7-X00E-F2JT

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

Mixture's intended use

Part of the two-component epoxy glue - resin.

Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name Interglobus Sp. z o.o.

Address ul. Góry Warszawskie 57, Duchnów, 05-462

Poland

Phone +48 507 009 203

E-mail interglobusbiuro@gmail.com

Competent person responsible for the safety data sheet

Name Interglobus Sp. z o.o.

nail interglobusbiuro@gmail.com

1.4. Emergency telephone number

+48 507 009 203 (8-16)

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram





Signal word

Warning

Hazardous substances

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

Revision date Version 2

Precautionary statements

P102 Keep out of reach of children.

P264 Wash rece i dotkniete części ciała thoroughly after handling.

P280 Wear rękawice ochronne/odzież ochronną/ochronę oczu/ochronę twarzy.

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

P391 Collect spillage.

P501 Dispose of contents/container to zgodnie z obowiązującymi przepisami.

Supplemental information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	60-100	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: $C \ge 5$ % Eye Irrit. 2, H319: $C \ge 5$ %	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eves

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Not expected.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

Revision date Version 2

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	8.33 mg/kg	Systemic acute effects	
Workers	Inhalation	12.25 mg/m³	Systemic acute effects	
Consumers	Dermal	3.571 mg/kg	Systemic chronic effects	
Consumers	Oral	0.75 mg/kg	Systemic chronic effects	
Workers	Dermal	8.33 mg/kg	Systemic chronic effects	
Workers	Inhalation	12.25 mg/m ³	Systemic chronic effects	
Consumers	Dermal	3.571 mg/kg	Systemic acute effects	
Consumers	Oral	0.75 mg/kg	Systemic acute effects	

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PNEC

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	10 mg/l	
Drinking water	0.006 mg/l	
Seawater	0.0006 mg/l	
Water (intermittent release)	0.018 mg/l	
Soil (agricultural)	0.196 mg/kg	
Freshwater sediment	0.996 mg/kg	
Sea sediments	0.0996 mg/kg	
Oral	11000 mg/kg	

8.2. **Exposure controls**

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

It is not needed.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid Colour colourless odorless Melting point/freezing point

data not available

Boiling point or initial boiling point and boiling range >260 °C

Flammability data not available Lower and upper explosion limit data not available

>249 °C Flash point

Auto-ignition temperature data not available Decomposition temperature data not available рΗ data not available Kinematic viscosity data not available Solubility in water slightly soluble

Partition coefficient n-octanol/water (log value) 3,24

Vapour pressure <40 Pa at 25 °C

Density and/or relative density

Density 1,17 g/cm³ Relative vapour density data not available Particle characteristics data not available

9.2. Other information

not available

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Creation date 11th February 2022

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SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

Revision date Version 2

Acute toxicity

Toxic to aquatic life with long lasting effects.

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Parameter	Value	Time of exposure	Species	Environment
EC ₅₀	1-10 mg/l	48 hour	Crustaceans	
LC ₅₀	1-10 mg/l	96 hour	Fishes	
EC ₅₀	1-10 mg/l		Algae and other aquatic plants	

12.2. Persistence and degradability

Biodegradability

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Parameter	Value	Time of exposure	Environment	Result
	93 %	28 day		
	0 %	28 day		Not biodegradable

not available

12.3. Bioaccumulative potential

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Parameter	Value	Time of exposure	Species	Surrounding temperature [°C]
BCF	311			
Log Pow	4			
BCF	4			
Log Pow	2.8			

Data not available.

12.4. Mobility in soil

 $reaction\ product:\ bisphenol-A-(epichlorhydrin);\ epoxy\ resin\ (number\ average\ molecular\ weight\le 700)$

Parameter	Value	Environment	Surrounding temperature
Кос	5600		

Data not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

in accordance with the COMMISSION REGULATION (EU) 2020/878

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Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances *

Packaging waste type code

15 01 01 paper and cardboard packaging

15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

9 Miscellaneous dangerous substances and articles

14.4. Packing group

III - substances presenting low danger

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.

UN number

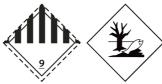
Classification code

Safety signs



M6

9+hazardous for the environment



Air transport - ICAO/IATA

Packaging instructions passenger 964
Cargo packaging instructions 964

Marine transport - IMDG

EmS (emergency plan) F-A, S-F

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

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A list of standard risk phrases used in the safety data sheet

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.

P264 Wash rece i dotknięte części ciała thoroughly after handling.

P280 Wear rękawice ochronne/odzież ochronną/ochronę oczu/ochronę twarzy.

P391 Collect spillage.

P501 Dispose of contents/container to zgodnie z obowiązującymi przepisami.

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

A list of additional standard phrases used in the safety data sheet

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CE₅₀ Concentration of a substance when it is affected 50% of the population

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

DNEL Derived no-effect level

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan

EuPCSEuropean Product Categorisation SystemIATAInternational Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods

 INCI
 International Nomenclature of Cosmetic Ingredients

 ISO
 International Organization for Standardization

 IUPAC
 International Union of Pure and Applied Chemistry

LC₅₀ Lethal concentration of a substance in which it can be expected death of 50% of the population

log Kow Octanol-water partition coefficient
LZO Volatile organic compounds

MARPOL International Convention for the Prevention of Pollution from Ships

OEL Occupational Exposure Limits
PBT Persistent, Bioaccumulative and Toxic
PNEC Predicted no-effect concentration

ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UE European Union

UN Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB Substances of unknown or variable composition, complex reaction products or biological materials

vPvB Very Persistent and very Bioaccumulative

WE Identification code for each substance listed in EINECS

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Eye Irrit.Eye irritationSkin Irrit.Skin irritationSkin Sens.Skin sensitization

Training guidelines

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik A - Żywica

Creation date 11th February 2022

Revision date Version 2

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The information in this SDS is based on the present state of our knowledge and current law basis. The product is not to be used for purposes other than those specified under Section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

The SDS has been developed by Pro-Perfekt, biuro@properfekt-msds.pl

This Safety Data Sheet is protected by the Act of 4 February 1994 on copyright and related rights. Copying, adaptation, transformation or modification of the safety data sheet or parts thereof without the prior written permission of the authors is prohibited. The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik B - Utwardzacz

Creation date 12th February 2022

Revision date 12th February 2022 Version 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier POXIGLOB - Składnik B - Utwardzacz

Substance / mixture mixture

UFI 0Q00-005N-700W-4E4V

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

Mixture's intended use

Part of two-component epoxy glue - hardener.

Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name Interglobus Sp. z o.o.

Address ul. Góry Warszawskie 57, Duchnów, 05-462

Poland

Phone +48 507 009 203

E-mail interglobusbiuro@gmail.com

Competent person responsible for the safety data sheet

Name Interglobus Sp. z o.o.
E-mail interglobusbiuro@gmail.com

1.4. Emergency telephone number

+48 507 009 203 (8-16)

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1B, H317

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction.

2.2. Label elements

Hazard pictogram





Signal word

Danger

Hazardous substances

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether

m-Phenylenebis(methylamine)

2,4,6-tris(dimethylaminomethyl)phenol

phenol

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.

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POXIGLOB - Składnik B - Utwardzacz

Creation date 12th February 2022

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Precautionary statements

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P501 Dispose of contents/container to according to applicable regulations.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 72244-98-5 EC: 615-735-8	Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	60-100	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 1477-55-0 EC: 216-032-5	m-Phenylenebis(methylamine)	10-30	Acute Tox. 4, H302+H332 Skin Corr. 1B, H314 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071	
Index: 603-069-00-0 CAS: 90-72-2 EC: 202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	5-10	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Index: 604-001-00-2 CAS: 108-95-2 EC: 203-632-7	phenol	1-5	Acute Tox. 3, H301+H311+H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373 Specific concentration limit: Skin Irrit. 2, H315: $1 \% \le C < 3 \%$ Eye Irrit. 2, H319: $1 \% \le C < 3 \%$ Skin Corr. 1B, H314: $C \ge 3 \%$	1

Notes

1 Substance with a Union workplace exposure limit.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately, move the affected person to fresh air. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

in accordance with the COMMISSION REGULATION (EU) 2020/878

POXIGLOB - Składnik B - Utwardzacz

Creation date 12th February 2022

Revision date 12th February 2022 Version 2.0

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Rinse skin with water or shower. Rinse cautiously with water for several minutes.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

Causes severe skin burns. May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full iet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2009/161/EU

Substance name (component)	Туре	Value	Note
	OEL 8 hours	8 mg/m³	
phonol (CAS: 109 OF 3)	OEL 8 hours	2 ppm	Skin
phenol (CAS: 108-95-2)	OEL 15 minutes	16 mg/m³	SKIII
	OEL 15 minutes	4 ppm	

DNEL

2,4,6-tris(dimethylaminomethyl)phenol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	0.31 mg/m ³	Systemic chronic effects	

prieno

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	16 mg/m³	Local acute effects	
Workers	Inhalation	8 mg/m³	Systemic chronic effects	
Workers	Dermal	1.23 mg/kg	Systemic chronic effects	
Consumers	Inhalation	1.32 mg/m ³	Systemic chronic effects	
Consumers	Dermal	0.4 mg/kg	Systemic chronic effects	
Consumers	Oral	0.4 mg/kg	Systemic chronic effects	
PNEC				

2,4,6-tris(dimethylaminomethyl)phenol

-, o tristamment entriphiener					
Route of exposure	Value	Determining method			
Microorganisms in wastewater treatment plants	0.2 mg/l				
Drinking water	0.084 mg/l				
Seawater	0.0084 mg/l				
Water (intermittent release)	0.84 mg/l				

m-Phenylenebis(methylamine)

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	10 mg/l	
Drinking water	0.094 mg/l	
Seawater	0.0094 mg/l	
Water (intermittent release)	0.152 mg/l	

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m-Phenylenebis(methylamine)

Route of exposure	Value	Determining method
Soil (agricultural)	0.045 mg/kg	
Freshwater sediment	0.43 mg/kg	
Freshwater sediment	0.043 mg/kg	

phenol

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	2.1 mg/l	
Drinking water	0.0077 mg/l	
Seawater	0.00077 mg/l	
Water (intermittent release)	0.031 mg/l	
Soil (agricultural)	0.136 mg/kg	
Freshwater sediment	0.0915 mg/kg	
Seawater	0.00915 mg/kg	

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid
Colour orange
color intensity transparent

Odour characteristic (mercaptan)

Melting point/freezing pointdata not availableBoiling point or initial boiling point and boiling rangedata not availableFlammabilitydata not availableLower and upper explosion limitdata not available

Flash point >93 °C

Auto-ignition temperature data not available Decomposition temperature data not available pH data not available Kinematic viscosity data not available Solubility in water slightly soluble Partition coefficient n-octanol/water (log value) data not available Vapour pressure data not available

Density and/or relative density

Density 1,04 g/cm³

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9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Harmful if swallowed.

$2,\!4,\!6\text{-tris} (dimethylamino \underline{methyl}) phenol$

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	1200-2169 mg/kg		Rat	
Dermal	LD ₅₀	1260 mg/kg		Rabbit	

m-Phenylenebis(methylamine)

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	980-1080 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rabbit	
Inhalation (dust/mist)	LC ₅₀	1.34 mg/l	4 hour	Rat	
Inhalation	ATE	11 mg/l	4 hour	Rat	

phenol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	100-317 mg/kg		Rat	
Dermal	LD ₅₀	850 mg/kg		Rabbit	
Dermal	ATE	630 mg/kg		Rabbit	
Inhalation	ATE	3 mg/l			

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	500 mg/kg			

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Skin corrosion/irritation

Causes severe skin burns and eye damage.

m-Phenylenebis(methylamine)

Route of exposure	Result	Method	Time of exposure	Species
Dermal	Corrosive	OECD 404	>3,01min - <1h	Rabbit

Serious eye damage/irritation

Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Mutagenicity

m-Phenylenebis(methylamine)

Result	Method	Time of exposure	Specific target organ	Species	Sex
Negative	OECD 471				
Negative	OECD 473				

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Data for the mixture are not available.

2,4,6-tris(dimethylaminomethyl)phenol

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀		345 mg/kg	96 hour	Fishes (QSAR)	

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m-Phenylenebis(methylamine)

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀	OECD 203	87.6 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
LC ₅₀	OECD 202	15.2 mg/l	48 hour	Daphnia (Daphnia magna)	
EC ₅₀	OECD 201	33.3 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	
LC ₅₀	OECD 202	35.1 mg/l	24 hour	Daphnia (Daphnia magna)	

phenol

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀		14 mg/l	96 hour	Fishes (Leuciscus idus)	
EC ₅₀		12 mg/l	24 hour	Daphnia (Daphnia magna)	
EC ₅₀		370 mg/l	96 hour	Algae (Chlorella vulgaris)	

12.2. Persistence and degradability

Biodegradability

m-Phenylenebis(methylamine)

Parameter	Value	Time of exposure	Environment	Result
	49 %			Hardly biodegradable

phenol

Parameter	Value	Time of exposure	Environment	Result
	85 %	14 day		Easily biodegradable

not available

12.3. Bioaccumulative potential

$\hbox{2,4,6-tris} (dimethylaminomethyl) phenol$

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	3				
Log Pow	0.18				

m-Phenylenebis(methylamine)

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	3				
Log Pow	0.18				

phenol

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	17				
Log Pow	1.48				_

Data not available.

12.4. Mobility in soil

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2,4,6-tris(dimethylaminomethyl)phenol

Parameter	Value	Environment	Surrounding temperature
Koc	15130		

m-Phenylenebis(methylamine)

Parameter	Value	Environment	Surrounding temperature
Koc	1300		

phenol

Parameter	Value	Environment	Surrounding temperature
Koc	50		

Data not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances *

Packaging waste type code

15 01 01 paper and cardboard packaging

15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 2735

14.2. UN proper shipping name

AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine))

14.3. Transport hazard class(es)

8 Corrosive substances

14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

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14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Safety signs

Hazard identification No.

UN number

Classification code

80 2735C7

Air transport - ICAO/IATA

Packaging instructions passenger 851
Cargo packaging instructions 855

Marine transport - IMDG

EmS (emergency plan) F-A, S-B MFAG 320

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the 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, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

H302+H332 Harmful if swallowed or if inhaled.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P501 Dispose of contents/container to according to applicable regulations.

A list of additional standard phrases used in the safety data sheet

EUH071 Corrosive to the respiratory tract.

Other important information about human health protection

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The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CE₅₀ Concentration of a substance when it is affected 50% of the population

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

DNEL Derived no-effect level

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan

EuPCS European Product Categorisation System
IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LC₅₀ Lethal concentration of a substance in which it can be expected death of 50% of the population

 LD_{50} Lethal dose of a substance in which it can be expected death of 50% of the population

log Kow Octanol-water partition coefficient
LZO Volatile organic compounds

MARPOL International Convention for the Prevention of Pollution from Ships

OEL Occupational Exposure Limits
PBT Persistent, Bioaccumulative and Toxic
PNEC Predicted no-effect concentration

ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UE European Union

UN Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB Substances of unknown or variable composition, complex reaction products or biological materials

vPvB Very Persistent and very Bioaccumulative

WE Identification code for each substance listed in EINECS

Acute Tox. Acute toxicity

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Eye Irrit. Eye irritation

Muta. Germ cell mutagenicity

Skin Corr. Skin corrosion
Skin Irrit. Skin irritation
Skin Sens. Skin sensitization

STOT RE Specific target organ toxicity - repeated exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from 12 February 2022. General update.

More information

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Classification procedure - calculation method.

Statement

The information in this SDS is based on the present state of our knowledge and current law basis. The product is not to be used for purposes other than those specified under Section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

The SDS has been developed by Pro-Perfekt, biuro@properfekt-msds.pl

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