

Version: VII

Date of compilation: 05.12.2004

Revision date: 19.01.2023

Safety Data Sheet

legal basis:

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)

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

1.1. Product identifier

Trade name: Glycerine pharma.veg. 99,5%
Composition for label/Other name(s) Glycerol.,

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

Identified uses

Uses:

Household chemistry. manufacture of explosives, Exploitation fluids. Paints. Varnishes. Solvent, Production of polyols. pharmaceutical uses

Uses advised against:

other than named above

1.3. Details of the supplier of the safety data sheet

Name and address: Ecoflores
ul. Waksmundzka 34, 34-400 Nowy
Targ, Poland
Phone number: tel. +48-604508229
Fax number: kontakt@ecoflores.eu
e-mail address for a competent person responsible for the safety data sheet: www.ecoflores.eu

1.4. Emergency telephone number

998 or 112, or contact with the nearest local Fire Department

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

General hazards

This product is not classified as hazardous according to current regulations

Health hazards

not applicable

Physical hazards

not applicable

Environmental hazards

not applicable

2.2. Label elements

Hazard pictograms:

Signal Word:

Signal word is not required

Hazard statements:

Produkt is not classified as hazardous according to obligatory regulation

2.3. Other hazards

This product does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

Substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Concentration value	Substance	CAS	EC	Index number	Hazard class
> 99,5 %	Glycerol; 1,2,3-propanetriol	56-81-5	200-289-5	not applicable	not applicable

SECTION 4:First aid measures

4.1.Description of first aid measures

Inhalation

Move the victim to fresh air. If any symptoms occur consult with a physician.

Skin contact

Wash off immediately with plenty of water. Remove all contaminated clothing.

Eye contact

Rinse opened eye for several minutes under running water. Keep eyes wide open while rinsing. Remove contact lenses. If any symptoms occur consult with a physician. Ensure oculist consultation.

Ingestion

Do NOT induce vomiting. Rinse mouth with water. Drink 1 or 2 glasses of water. If any symptoms occur consult with a physician.

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

Symptoms and effects of exposure

Inhalation

slight irritation

Skin contact

slight irritation

Eye contact

slight irritation

Ingestion

vomiting, stomach ache, Headache, cyanosis.

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

Show this safety data sheet to the doctor in attendance.

Treat symptomatically.

SECTION 5:Firefighting measures

5.1.Extinguishing media

Suitable extinguishing media

extinguishing powder. foam, carbon dioxide (CO₂), water fog.

Unsuitable extinguishing media

No data available.

5.2. Special hazards arising from the substance or mixture

Fire may produce: Acrolein. As a result of incomplete combustion carbon monoxide is formed.

Do not inhale the smoke.

5.3. Advice for firefighters

Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6:Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe in fumes. Use personal protective equipment. Ensure adequate ventilation. Prevent unauthorised persons entering the danger zone.

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Limit spillage by containment with sand or earth. Large spills should be collected mechanically (remove by pumping) for disposal. Collect with a sorption material. e.g. Earth. sand. Pick up and transfer to properly labelled containers. Transfer for disposal.

6.4. Reference to other sections

More information about suitable personal protective equipment is given in section 8 .

Dispose of in accordance with the recommendations given in Section 13.

SECTION 7:Handling and storage

7.1.Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Smoking, eating and drinking should be prohibited in the application area. Avoid all contact with the product. Use personal protective equipment

Protect from excessive heating.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry place. Keep in a well-ventilated place. Keep away from heat, flame sparks and other ignition sources. Store away from oxidizing agents. Protect from moisture.

7.3. Specific end use(s)

See section 1.2.

SECTION 8:Exposure controls/personal protection

8.1.Control parameters

DNEL value

Comments

For this product DNEL value has not been derived

Glycerine pharma.veg. 99,5%

PNEC value

Comments

For this product PNEC value has not been calculated

Occupational exposure limits

Glycerol; 1,2,3-propanetriol	Inhalable fraction.	NDS	10 mg/m ³
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Comments

Poland. OELs - Regulation of the Minister of Family, Labour and Social Policy, of 12 June 2018; Journal of Laws 2018, item 1286 as amended.

Biological limit values comments

not available

Recommended monitoring procedures

Regulation of the Minister of Health on tests and measurements applicable for hazardous substances and other adverse factors which are present in the workplace, of 2 February 2011 (Journal of Laws No33, item 166).

8.2.Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures

Respiratory protection

Required if vapours or aerosol are released. Respirator with filter for organic vapour

Eye /face protection

Safety glasses

Skin and hand protection

No special protective equipment required.

Other protection equipment

Wear suitable protective clothing.

Reference to regulations

Individual protection measures should satisfy the requirements specified in the Regulation of the Minister of Economy on basic requirements for personal protection controls, of 21 December 2005 (Journal of Laws No 259, item 2173).

General advice

Do not eat, drink or smoke when using this product. Wash hands before every break and at the end of workday. Remove and wash contaminated clothing before re-use.

Environ. exposure controls

Avoid release to the environment.

SECTION 9:Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid	
Appearance:	colorless	
	Odour threshold:	
Odour:	without foreign odours	no data available
Melting point/freezing point:	18 °C	
Boiling point or initial boiling point and boiling range:	290 °C	
Flammability:	no data available	
Lower and upper explosion limit:	Not applicable.	
Flash point:	ca. 180 °C	
Auto-ignition temperature:	> 400 °C	
Decomposition temperature:	no data available	
pH:	7,0 - 8,5	
Kinematic viscosity:	no data available	
Solubility:	Water.	soluble
Partition coefficient: n-octanol/water (log value):	no data available	

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Vapour pressure:	0,01 mbar	20 °C
Density and/or relative density:	Density	ca. 1,26 g/cm ³ 15 °C
Relative vapour density:	no data available	
Particle characteristics:	not applicable	

9.2. Other information

Information with regard to physical hazard classes:	Heat of combustion:	> 17 500 kJ/kg
Other safety characteristics:	no data available	

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive product.

10.2. Chemical stability

Stable under normal conditions.

Stable under recommended storage conditions.

Hygroscopic.

10.3. Possibility of hazardous reactions

not known

10.4. Conditions to avoid

Sources of ignition. Heating above decomposition temperature.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Acrolein. Carbon monoxide.

SECTION 11: Toxicological information

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

Acute oral toxicity

Glycerol; 1,2,3-propanetriol	LD50	27 200 mg/kg	Rat
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Acute dermal toxicity

Glycerol; 1,2,3-propanetriol	LD50	> 56,750 mg/kg	Guinea pig
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Acute inhalation toxicity

Glycerol; 1,2,3-propanetriol	LC50	> 2,75 mg/l	Rat
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Acute toxicity - other exposure routes

No data available.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Summary

Based on available data, the classification criteria are not met.

Carcinogenicity

Summary

Based on available data, the classification criteria are not met.

Reproductive toxicity

Summary

Based on available data, the classification criteria are not met.

Glycerine pharma.veg. 99,5%

STOT-single exposure

Summary

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Summary

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Inhalation.
Ingestion.
Skin contact.
Eye contact.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion.
vomiting
stomach ache
Headache

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

Inhalation.
slight irritation
Skin contact.
slight irritation
Eye contact.
slight irritation

11.2. Information on other hazards

Other information

no data available

SECTION 12: Ecological information

12.1. Toxicity

Glycerol; 1,2,3-propanetriol	Toxicity to fish	LC50	885 mg/l	96 h	Pimephales promelas
	Toxicity to aquatic invertebrates	EC50	1 955 mg/l	48 h	Daphnia magna (Water flea)
	Toxicity to aquatic plants	EC3	> 10 000 mg/l	8 days	Scenedesmus quadricauda

12.2. Persistence and degradability

Glycerol; 1,2,3-propanetriol	Biodegradability	> 60 %	28 days
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Summary

Biodegradable

12.3. Bioaccumulative potential

Summary

no data available

12.4. Mobility in soil

Summary

no data available

12.5. Results of PBT and vPvB assessment

This substance does not fulfill the PBT or vPvB criteria according to Annex XIII to REACH Regulation (EC) 1907/2006

12.6. Endocrine disrupting properties

no data available

12.7. Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Comply with below named regulations:

Waste Disposal Law, of 14 December 2012 (Journal of Laws 2013, item 21), with further amendments.

Law on packages and spent packages, of 13 June 2013 (Journal of Laws 2013, item 888).

Regulation of the Minister of Environment on Wastes catalogue, of 9 December 2014 (Journal of Laws 2014, item 1923).

Suggested waste code:

07 01 99 Wastes not otherwise specified.

Dispose of in accordance with current legislation concerning Waste disposal. Waste packaging should be recycled. Packaging that can not be cleaned, should be disposed of like the product.

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SECTION 14:Transport information

14.1.UN number or ID number

Transport type	UN Number
ADR	N/A
RID	N/A
IMDG	N/A
ICAO	N/A
ADN	N/A

14.2. UN proper shipping name

Transport type	UN proper shipping name
ADR	not subject to transport regulations
RID	not available
IMDG	not available
ICAO	not available
ADN	not available

14.3. Transport hazard class(es)

Transport type	Transport hazard class:	Classification code:	Hazard identification number:	Tunnel restriction code:	Labels numbers:
ADR	not relevant	not relevant	not relevant	-	not relevant
RID	not available				
IMDG	not available				
ICAO	not available				
ADN	not available				

14.4. Packing group

Transport type	Packing group:
ADR	not relevant
RID	not available
IMDG	not available
ICAO	not available
ADN	not available

14.5. Environmental hazards

The product does not pose a hazard to the environment in accordance with the criteria of the UN Model Regulations.

14.6. Special precautions for user

not relevant

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15:Regulatory information

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

ACT of 25 February 2011 on the chemical substances and their mixtures (Journal of Laws No. 63, item 322), with further amendments.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 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 (OJ L 353, 31.12.2008, p. 1).

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16:Other information

Changes of previous version

General revision

Key or legend to abbreviations and acronyms used in the safety data sheet

Asp. Tox. - Aspiration hazard

Aquatic Acute - Hazardous to the aquatic environment - Acute

Aquatic Chronic - Hazardous to the aquatic environment - Chronic

Ozone - Hazardous for the ozone layer

Lact. - Effects on or via lactation

NDS - Maximum permissible exposure level/concentration

NDSCH - Maximum short-term exposure level/concentration

NDSP - Maximum permissible ceiling exposure level/concentration

vPvB (Substance) very persistent and very bioaccumulating

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PBT (Substance) persistent, bioaccumulating and toxic
PNEC – Predicted No Effect Concentration
DNEL – Derived No Effect Level
LD50 - Lethal dose 50; dose/amount of a substance which kills 50 % of the test population
LC50 - Lethal concentration; concentration of a substance which kills 50 % of the test population
LOEC - Lowest Observed Effect Concentration
NOEL No Observed Effect Level
NOEC - No Observed Effect Concentration
ECX - Effective concentration; concentration of a substance which produces X % effect response
ADR – Agreement Concerning the International Carriage of Dangerous Goods by Road
ADN – Agreement Concerning the International Carriage of Dangerous Goods by Inland Waters
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
IMDG – International Maritime Dangerous Goods Code
ICAO/IATA – International Civil Aviation Organization/International Air Transport Association
UVCB - Substances of Unknown or Variable composition, Complex reaction products or Biological materials
STOT RE - Specific target organ toxicity — repeated exposure
Expl. - Explosive
Flam. Gas - Flammable gas
Flam. Aerosol - Flammable aerosol
Ox. Gas - Oxidising gas
Press. Gas - Gases under pressure
Flam. Liq. - Flammable liquid
Flam. Sol. - Flammable solid
Self-react. - Self-reactive substance or mixture
Pyr. Liq. - Pyrophoric liquid
Pyr. Sol. - Pyrophoric solid
Self-heat. - Self-heating substance or mixture
Water-react. - Substance or mixture which in contact with water emits flammable gas
Ox. Liq. - Oxidising liquid
Ox. Sol. - Oxidising solid
Org. Perox. - Organic peroxide
Met. Corr. - Substance or mixture corrosive to metals
Acute Tox. - Acute toxicity
Skin Corr. - Skin corrosion
Skin Irrit. - Skin irritation
Resp. Sens. - Respiratory sensitization
Skin Sens. - Skin sensitization
Muta. - Germ cell mutagenicity
Carc. - Carcinogenicity
Repr. - Reproductive toxicity, Category 1A
STOT SE - Specific target organ toxicity — single exposure

Key literature references and sources for data

This safety data sheet has been prepared based on the MSDS provided by the manufacturer or / and internet databases and current regulations.

Advice on any training appropriate for workers to ensure protection of human health and the environment

People involved in the handling of the product should be trained in the handling, safety and hygiene.

List of relevant hazard statements and/or precautionary statements

not applicable

Produkt is not classified as hazardous according to obligatory regulation

Other Information

The product is exempt from registration under REACH (Regulation EC 1907/2006) under Annex IV or V.

The information contained in this safety data sheet refer to the product in the form in which it is delivered

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product in terms of safety requirements.

These data can not be considered in any case describe the product (as product specification).