

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and (EC) No. 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878.

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

1.1 Product identifier

Product Name: Microprotein

Product code: P7582

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

Relevant identified uses: For the quantitative determination of total protein in urine.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

United States

HORIBA Instruments Incorporated
5449 Research Drive
Canton, MI 48188
734-487-8300
horiba.com

1.4 Emergency telephone number:

United States

HORIBA Instruments Incorporated
1-800-445-9853 (24 hours per day)

France

Organisme de conseil/centre antipoison national
+33 1 45 42 59 59 (24 hours per day)

Portugal

Órgão consultor nacional/Centro Antivenenos
+351 800 250 250 (24 hours per day)

Spain

Centro de información toxicológica/organismo asesor nacional
+34 91 562 04 20 (24 hours per day)

Czech Republic

Národní poradní orgán/toxikologické středisko
+420 224 919 293 (24 hours per day)

Greece

Εθνικό συμβουλευτικό όργανο/Κέντρο Δηλητηριάσεων
+30 210 779 3777 (24 hours per day)

Italy

Organismo ufficiale di consultazione nazionale/Centro antiveleni
+39 06 305 4343 (24 hours per day)

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Romania

Organism consultativ național/Centru pentru otrăviri
+40 21 3183606 (24 hours per day)

Poland

Krajowa instytucja doradcza/Ośrodek zatruc
+48 22 619 66 54 (24 hours per day)

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Reproductive toxicity, category 2
Specific target organ toxicity - single exposure, category 2

Hazard-determining components of labeling:

Methanol
Polyethylene glycol mono(octylphenyl) ether

Additional Information: None

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms:



Signal Word: Warning

Hazard statements:

H370 Causes damage to organs.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product
P202 Do not handle until all safety precautions have been read and understood
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P405 Store locked up
P501 Dispose of contents in accordance with local regulations.

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 **Substance:** Not applicable.

3.2 Mixture:

Identification	EU REACH Registration No.	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %

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CAS number: 67-56-1 EC number: 200-659-6	-	Methanol	Flam. Liq. 2; H225 Acute Tox. 3 (Oral); H301 Acute Tox. 3 (Dermal); H311 Acute Tox. 3 (Inh); H331 STOT SE 1; H370 Specific concentration limit(s): STOT SE 1; H370: C ≥10% STOT RE 2; H373: 3%≤ C <10% Acute Toxicity Estimate: Oral ATE: 100 mg/kg Dermal ATE: 300 mg/kg Inhalation ATE: 3 mg/L	2
CAS number: 56-40-6 EC number: 200-272-2	-	Glycine	Not classified;	0.75
CAS number: 9036-19-5	-	Polyethylene glycol mono(octylphenyl) ether	Acute Tox. 4 (Oral); H302 Eye Dam. 1; H318 Aquatic Chronic 2; H411 Acute Toxicity Estimate: Oral ATE: 500 mg/kg	0.25

Additional information: None

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

Following inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If

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symptoms develop or persist, seek medical advice/attention.

Following skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

Following eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

Following ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Self-Protection of the first aider:

Not determined or not available.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

May cause damage to organs. Effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

If exhibiting symptoms of exposure, seek prompt medical attention.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition may produce irritating/toxic fumes/gases.

5.3 Advice for firefighters

Personal protection equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

6.4 Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10). Store between +2°C and +8°C

7.3 Specific end use(s):

Refer to Section 1 (Recommended Use).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Latvia	Glycine	56-40-6	8-Hour TWA: 5 mg/m ³
	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Czech Republic	Methanol	67-56-1	8-Hour TWA: 250 mg/m ³
	Methanol	67-56-1	Ceiling Limit: 1000 mg/m ³
Estonia	Methanol	67-56-1	8-Hour TWA: 250 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 350 mg/m ³ (250 ppm)
Hungary	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³
Poland	Methanol	67-56-1	8-Hour TWA: 100 mg/m ³
	Methanol	67-56-1	15-Minute STEL: 300 mg/m ³

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Slovakia	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Slovenia	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 1040 mg/m ³ (800 PPM)
Austria	Methanol	67-56-1	8-Hour TWA: 262 mg/m ³ (200 ppm)
	Methanol	67-56-1	STEL: 1040 mg/m ³ (800 ppm [4 x 15 min])
Belgium	Methanol	67-56-1	8-Hour TWA: 266 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 333 mg/m ³ (250 ppm)
Denmark	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 520 mg/m ³ (400 ppm)
Finland	Methanol	67-56-1	8-Hour TWA: 270 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 330 mg/m ³ (250 ppm)
France	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Germany (MAK)	Methanol	67-56-1	8-Hour TWA: 130 mg/m ³ (100 ppm)
	Methanol	67-56-1	15-Minute STEL: 260 mg/m ³ (200 ppm)
Greece	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
The Netherlands	Methanol	67-56-1	8-Hour TWA: 133 mg/m ³
Portugal	Methanol	67-56-1	STEL: 250 ppm
	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	STEL: 250 ppm
Sweden	Methanol	67-56-1	15-Minute STEL: 350 mg/m ³ (250 ppm)
	Methanol	67-56-1	8-Hour TWA: 250 mg/m ³ (200 ppm)
Bulgaria	Methanol	67-56-1	TWA: 260 mg/m ³ (200 ppm)
Croatia	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
European Union	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm; [IOEL])
Germany (TRGS 900)	Methanol	67-56-1	15-Minute STEL: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	8-Hour TWA: 130 mg/m ³ (100 ppm)
Ireland	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Italy	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Lithuania	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Luxembourg	Methanol	67-56-1	TWA: 260 mg/m ³ (200 ppm)
Malta	Methanol	67-56-1	TWA: 260 mg/m ³ (200 ppm)
Romania	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
Spain	Methanol	67-56-1	8-Hour TWA: 266 mg/m ³ (200 ppm)
	Methanol	67-56-1	STEL: 333 mg/m ³ (250 ppm)
United Kingdom	Methanol	67-56-1	15-Minute STEL: 333 mg/m ³ (250 ppm)
	Methanol	67-56-1	8-Hour TWA: 266 mg/m ³ (200 ppm)
Cyprus	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
Spain	Methanol	67-56-1	Methanol	Urine	End of shift	15 mg/L
Italy	Methanol	67-56-1	Methanol	Urine	End of shift	15 mg/L
Portugal	Methanol	67-56-1	Methanol	Urine	End of shift	15 mg/L
Slovakia	Methanol	67-56-1	Methanol	Urine	EOS/EOW	30 mg/L [938 µmol/L]
	Methanol	67-56-1	Methanol	Creatinine in urine	EOS/EOW	20 mg/g [70.7 µmol/mmol]
Croatia	Methanol	67-56-1	Methanol	Creatinine in urine	End of shift.	7.0 mg/g (24.7 mmol/mol)
Czech Republic	Methanol	67-56-1	Methanol	Urine	End of shift.	15 mg/L (0.47 mmol/l)
France	Methanol	67-56-1	Méthanol	Urine	End of shift	15 mg/L
Germany (TRGS 903)	Methanol	67-56-1	Methanol	Urine	EOW/EOS	15 mg/L
Romania	Methanol	67-56-1	Methanol	Urine	End of shift.	6 mg/L
Slovenia	Methanol	67-56-1	Methanol	Urine	EOSLD	15 mg/L
Hungary	Methanol	67-56-1	Methanol	Urine	End of shift	30 mg/L [940 µmol/L]

Derived No Effect Level (DNEL):

Ingredient Name: Glycine

CAS #: 56-40-6

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

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Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified
General Population - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified; No hazard identified
	Chronic - Oral	No hazard identified
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified
General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

Ingredient Name: Methanol

CAS #: 67-56-1

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	130 mg/m ³
	Acute - Dermal	20 mg/kg bw/day
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	130 mg/m ³
	Chronic - Dermal	20 mg/kg bw/day
Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	130 mg/m ³
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	130 mg/m ³
	Chronic - Dermal	No hazard identified
General Population - Systemic Effects	Acute - Oral	4 mg/kg bw/day
	Acute - Inhalation	26 mg/m ³
	Acute - Dermal	4 mg/kg bw/day
	Chronic - Oral	4 mg/kg bw/day
	Chronic - Inhalation	26 mg/m ³
	Chronic - Dermal	4 mg/kg bw/day

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General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	26 mg/m ³
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	26 mg/m ³
	Chronic - Dermal	No hazard identified

Predicted No Effect Concentration (PNEC):

Ingredient Name: Glycine

CAS #: 56-40-6

Environmental Protection Target	PNEC
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	No hazard identified
Air	No hazard identified
Oral (Secondary Poisoning)	No exposure expected

Ingredient Name: Methanol

CAS #: 67-56-1

Environmental Protection Target	PNEC
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agricultural)	No hazard identified
Air	No hazard identified
Oral (Secondary Poisoning)	No exposure expected

Information on monitoring procedures:

Not determined or not applicable.

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a

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specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Product (substance / mixture) related measures to prevent exposure:	Not determined or not applicable.
Instruction measures to prevent exposure:	Not determined or not applicable.
Organisational measures to prevent exposure:	Not determined or not applicable.
Technical measures to prevent exposure:	Not determined or not applicable.

Risk management measures to control exposure:

Not determined or not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Reagent is provided as a stable liquid.
Color	Reagent is a clear red/pink colored liquid.
Odor/Odor threshold	Not Available
pH	2.30
Melting point/freezing point	Not Available
Initial boiling point/range	Not Available
Flash point (closed cup)	Not Available
Flammability	Not determined or not available.
Upper flammability/explosive limit	Not Available
Lower flammability/explosive limit	Not Available
Vapor pressure	Not Available
Relative vapor density	Not determined or not available.
Density	Not Available
Relative density	Not determined or not available.
Solubilities	Not Available
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not Available
Decomposition temperature	Not Available
Kinematic viscosity	Not Available
Particle characteristics	Not determined or not available.

9.2 Other information

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9.2.1 Information with regard to physical hazard classes

Explosives	No data available/Not applicable
Flammable gases	No data available/Not applicable
Aerosols	No data available/Not applicable
Oxidizing gases	No data available/Not applicable
Gases under pressure	No data available/Not applicable
Flammable liquids	No data available/Not applicable
Flammable solids	No data available/Not applicable
Self-reactive substances and mixtures	No data available/Not applicable
Pyrophoric liquids	No data available/Not applicable
Pyrophoric solids	No data available/Not applicable
Self-heating substances and mixtures	No data available/Not applicable
Substances and mixtures, which emit flammable gases in contact with water	No data available/Not applicable
Oxidizing liquids	No data available/Not applicable
Oxidizing solids	No data available/Not applicable
Organic peroxides	No data available/Not applicable
Corrosive to metals	No data available/Not applicable
Desensitized explosives	No data available/Not applicable

9.2.2 Other safety characteristics

None.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Not reactive under recommended handling and storage conditions.

10.2 Chemical stability:

Stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

10.4 Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

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

Product data: No data available.

Substance data:

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Name	Route	Result
Glycine	oral	LD50 Mouse: 5640 mg/kg
Methanol	Oral ATE	LD50 Rat: 100 mg/kg
	Dermal ATE	LD50 Rabbit: 300 mg/kg
	Inhalation ATE	LC50 Rat: 3 mg/L (4 hr [vapor])
Polyethylene glycol mono(octylphenyl) ether	Oral ATE	LD50 Rat: 500 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Polyethylene glycol mono(octylphenyl) ether	Causes serious eye damage.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Glycine	Not Applicable
Methanol	Not Applicable
Polyethylene glycol mono(octylphenyl) ether	Not Applicable

Germ cell mutagenicity

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

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment:

Suspected of damaging fertility or the unborn child.

Product data:

No data available.

Substance data: No data available.

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Specific target organ toxicity (single exposure)

Assessment:

May cause damage to organs.

Product data:

No data available.

Substance data:

Name	Result
Methanol	Causes damage to Optic nerve (nervus opticus), central nervous system.

Specific target organ toxicity (repeated exposure)

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

11.2 Information on other hazards

Endocrine disrupting properties:

Substance data: No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Glycine	Fish LC50 <i>Oryzias latipes</i> : >1000 mg/L (96 hr)
	Aquatic Plants EC50 Freshwater algae: >1000 mg/L (72 hr [biomass])
	Aquatic Invertebrates EC50 <i>Daphnia magna</i> : >220 mg/L (48 hr [mobility])
Methanol	Fish LC50 <i>Lepomis macrochirus</i> : 15,400 mg/L (96 hr)
	Aquatic Invertebrates EC50 <i>Daphnia magna</i> : 18,260 mg/L (96 hr)
	Aquatic Plants EC50 <i>Selenastrum capricornutum</i> : 22,000 mg/L (96 hr [growth rate])
Polyethylene glycol mono(octylphenyl) ether	Fish LC50 <i>Oncorhynchus mykiss</i> : 7.2 mg/L (96 hr)

Chronic (long-term) toxicity

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

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Product data: No data available.

Substance data:

Name	Result
Methanol	Aquatic Invertebrates NOEC Daphnia magna: 122 mg/L (21 d [reproduction])

12.2 Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Glycine	This substance is readily biodegradable. 67 - 82% degradation in water, measured by O ₂ consumption, after 14 days.
Methanol	The substance is readily biodegradable. 97% degradation after 20 days, measured by Oxygen consumption.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Glycine	Bioaccumulation is not expected. BCF (aquatic species): 0.893 L/kg ww
Methanol	This substance does not significantly bioaccumulate in fish. Experimental BCFs of < 10 in fish species.

12.4 Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Glycine	The substance is highly mobile in soil with a very low potential for adsorption to soil and sediment. Log K _{oc} = 0 at 25 °C
Methanol	The substance is highly mobile with a very low potential for adsorption to soil and sediment. K _{oc} : 0.13 - 1 dimensionless

12.5 Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

Glycine	This substance is not PBT.
Methanol	The substance is not PBT.

vPvB assessment:

Glycine	This substance is not vPvB.
Methanol	The substance is not vPvB.

12.6 Endocrine disrupting properties

Substance data: No data available.

12.7 Other adverse effects: No data available.

12.8 Hazard to the ozone layer

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

Product data: No data available.

Substance data: No data available.

Safety Data Sheet

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal:

Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

Waste codes / waste designations according to LoW: Not determined or not available.

13.1.2 Waste treatment-relevant information: Not determined or not available.

13.1.3 Sewage disposal-relevant information: Not determined or not available.

13.1.4 Other disposal recommendations: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number or ID number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number or ID number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number or ID number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number or ID number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and (EC) No. 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878.

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Maritime Transport in Bulk according to IMO Instruments

Bulk Name	None
Ship type	None
Pollution category	None
IMO hazard class	None
Environmental hazards	None
Material hazardous only in bulk	None
Cargo Group	None

SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS):

56-40-6	Glycine	Listed
67-56-1	Methanol	Listed
9036-19-5	Polyethylene glycol mono(octylphenyl) ether	Not Listed

REACH SVHC candidate list:

56-40-6	Glycine	Not Listed
67-56-1	Methanol	Not Listed
9036-19-5	Polyethylene glycol mono(octylphenyl) ether	Listed

REACH SVHC Authorizations:

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and (EC) No. 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878.

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Ingredient Name	CAS	Listing	Conditions of use
Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Listed	Uses as follows: for the research, development and production of medicinal products falling within the scope of Directive 2001/83/EC or medical devices or accessories to medical devices falling within the scope of Directive 93/42/EEC, Regulation (EU) 2017/745, Directive 98/79/EC or Regulation (EU) 2017/746, in view of their use for the diagnosis, treatment or prevention of COVID-19, - in medical devices or accessories to medical devices falling within the scope of Directive 93/42/EEC, Regulation (EU) 2017/745, Directive 98/79/EC or Regulation (EU) 2017/746, for the diagnosis, treatment or prevention of COVID-19. (Sunset date: December 22, 2023); use of the substance in the production of spare parts as articles or as complex products for the repair of articles or complex products the production of which ceased or will have ceased before the sunset date indicated in the entry for that substance, where that substance was used in the production of those articles or complex products and these cannot function as intended without those spare parts and the spare part cannot be produced without that substance, and for the use of the substance (on its own or in a mixture) for the repair of such articles or complex products, where that substance on its own or in a mixture was used in the production of those articles or complex products and they cannot be repaired otherwise than by using that substance. (Sunset date: March 1, 2023)

REACH Restriction:

56-40-6	Glycine	Not Listed
67-56-1	Methanol	Listed
9036-19-5	Polyethylene glycol mono(octylphenyl) ether	Not Listed

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Glycine	56-40-6	Water hazard class 1: slightly hazardous to water
Methanol	67-56-1	Water hazard class 2: obviously hazardous to water
Polyethylene glycol mono(octylphenyl) ether	9036-19-5	Water hazard class 3: highly hazardous to water

Other regulations

Germany TA Luft:

Ingredient Name	CAS	Class	Base Emission Rate	Max Concentration
Methanol	67-56-1	Class I	0.1 kg/h	20 mg/m ³

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Additional information: Not determined.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Abbreviations and Acronyms: None

Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Reproductive toxicity, category 2	Expert judgement
Specific target organ toxicity - single exposure, category 2	Expert judgement

Summary of classification(s) in section 3:

Flam. Liq. 2	Flammable liquids, category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), category 3
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), category 3
Acute Tox. 3 (Inh)	Acute toxicity (inhalation), category 3
STOT SE 1	Specific target organ toxicity - single exposure, category 1
Acute Tox. 4 (Oral)	Acute toxicity (oral), category 4
Eye Dam. 1	Serious eye damage, category 1
Aquatic Chronic 2	Chronic aquatic hazard, category 2

Summary of hazard statements in section 3:

H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H370	Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H302	Harmful if swallowed
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects

Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and EC No. 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation, and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet