

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2025

Version number 110.05 (replaces version 110.04)

Revision: 09.01.2025

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

#### 1.1 Product identifier

Trade name **Glycerin mind. 99,5% technisch**

Article number: 1001885601002

CAS Number:

56-81-5

EC number:

200-289-5

REACH-Registration number

The substance is exempted from compulsory registration in accordance with the REACH regulation EEC No. 1907/2006 (Article 2, paragraph 7 b, Annex V)

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

The substance is not classified as hazardous and/or is not subject to the obligation to prepare a chemical safety report under REACH, therefore no exposure scenarios are required for this safety data sheet.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld  
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve  
Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim  
Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o. i S.S.K., ul. Obornicka 277, PL - 60-691 Poznań  
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STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)  
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

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Tel.: +31 180 41 5988, info@stockmeier.nl

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Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien  
Tel.: +43 15 32 0 999, office@hds-chemie.at

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##### Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

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**1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz  
Tel. (+49) 61 31 / 19 240.

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Additional information:**

According to the current state of knowledge, no synthetic polymer microparticles > 0.01% are contained.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Determination of endocrine-disrupting properties** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.1 Substances****CAS No. Designation:**

56-81-5 glycerol

**Identification no(s):**

**EC number:** 200-289-5

**SVHC**

This preparation does not contain any substances of very high concern (SVHC) in a concentration of  $\geq 0.1$  % according to Regulation (EC) 1907/2006, Article 57.

## SECTION 4: First aid measures

**4.1 Description of first aid measures****General advice:**

No special measures required.

If unconscious, position and transport in stable lateral position.

In case of persistent symptoms receive medical treatment.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.

**After skin contact** The product is not skin irritating.

**After eye contact** Rinse opened eye for 15 minutes under running water.

**After swallowing** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents** Use fire fighting measures that suit the environment.**5.2 Special hazards arising from the substance or mixture**Thermal decomposition can lead to release of irritating gases and vapours  
organic decomposition products  
carbon oxides (CO<sub>x</sub>)**5.3 Advice for firefighters****Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

**Additional information** Cool endangered containers in the vicinity with a water spray jet.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures** Not required.**6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to point 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling** Open and handle container with care.**Information about protection against explosions and fires:**

Observance of the general rules of preventive operational fire protection.

Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities****Storage** Store in cool, dry conditions in well sealed containers.**Requirements to be met by storerooms and containers:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

This product is hygroscopic.

Store under dry conditions.

Protect from humidity and keep away from water.

**Storage class** 10 (VCI - concept, 2007)**7.3 Specific end use(s)** No further relevant information available.

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## \* SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Components with critical values that require monitoring at the workplace:**

#### 56-81-5 glycerol

AGW (Germany)	Long-term value: 200 E mg/m <sup>3</sup> 2 (I);DFG, Y
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**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

#### General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Gases, fumes and aerosols should not be inhaled.

**Breathing equipment:** Respiratory protection in case of release of vapours/aerosols

#### Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

Butyl rubber, BR

Natural rubber (latex)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Safety glasses recommended during refilling.

#### Body protection:

Standard protective work clothing. Chemical-resistant safety shoes or boots. If skin contact may occur, wear protective clothing impermeable to this substance.

## \* SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Physical state

Fluid

##### Colour:

Colourless

##### Smell:

Pleasant

##### Odour threshold:

Not determined.

##### Melting point/freezing point:

18,2 °C

##### Boiling point or initial boiling point and boiling range

290 °C

##### Flammability

Not applicable.

##### Lower and upper explosion limit

##### Lower:

2,6 Vol %

##### Upper:

11,3 Vol %

##### Flash point:

160 °C

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<b>Auto-ignition temperature:</b>	400 °C
<b>Decomposition temperature:</b>	> 290 °C
<b>pH</b>	5 (10%)
<b>pH-value:</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic at 20 °C:</b>	1300 mPas
<b>Solubility</b>	
<b>Water at 25 °C:</b>	1000 g/l
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	<0,001 hPa
<b>Vapour pressure at 50 °C:</b>	~0,015 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	1,26 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Viscous**Important information on protection of health and environment, and on safety.****Self-inflammability:** Not determined.**Explosive properties:** Product is not potentially explosive**Molecular weight** 92 g/mol**Evaporation rate** Not determined.**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void
<b>molecular weight (weight average/Mw):</b>	92,1 g/mol

**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.

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**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** Thermal decomposition above 250°C**10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:**

strong oxidising agents

Strong acids

Reactions with strong oxidising agents.

**10.6 Hazardous decomposition products:**

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

Acrolein

\* **SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:**

Oral LD50 12600 mg/kg (rat)

&gt;10000 mg/kg (rabbit)

Dermal LD50 &gt;10000 mg/kg (rabbit)

**Primary irritant effect:****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 or skin sensitisation** Based on available data, the classification criteria are not met.**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.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-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****Endocrine disrupting properties** Substance is not listed.\* **SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

LC 50 / 96 h &gt;1000 mg/l (fish)

54000 mg/l (Salmo gairdneri)

LC 50 / 24 h &gt;5000 mg/l (Carassius auratus)

EC 50 / 24 h &gt;10000 mg/l (Daphnia magna)

**12.2 Persistence and degradability**

Completely biodegradable.

BSB - Abnahme 82 % /5d (-)

**12.3 Bioaccumulative potential** No bioaccumulation**12.4 Mobility in soil** No further relevant information available.

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**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects****Additional ecological information:****General notes:** Water hazard class 1 (Assessment by list): slightly hazardous for water.\* **SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** Disposal in accordance with official regulations.**Waste disposal key number:**

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

**Uncleaned packagings:** Disposal in accordance with official regulations.**Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

**Development:** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information**

<b>14.1 UN number or ID number</b> ADR/RID, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR/RID, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR/RID, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR/RID, IMDG, IATA	Void
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	Void

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### SECTION 15: Regulatory information

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

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

#### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** Substance is not listed.

**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

#### REGULATION (EU) 2019/1148

**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

#### National regulations

#### Other regulations, limitations and prohibitive regulations

**Substances of very high concern (SVHC) according to REACH, Article 57** Substance is not listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Department issuing data specification sheet:** See section 1.3: Responding area

**Date of previous version:** 20.11.2024

**Version number of previous version:** 110.04

#### Abbreviations and acronyms:

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**