



**Safety data sheet**  
**According to 453/2010/EU**

Printing date 24.05.2017

Version number 2

Revision: 24.05.2017

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

· **1.1 Product identifier**

· **Trade name:** glycerine Pharma Euro 99 %

· **Article number:** 106310

· **CAS Number:**  
56-81-5

· **EC number:**  
200-289-5

· **REACH Registration number**

Ausnahme von der Registrierung gemäß Anhang II Nr. 9 der Verordnung (EG) Nr. 987/2008 zur Änderung der Verordnung (EG) Nr. 1907/2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH) hinsichtlich der Anhänge IV und V.

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

· **Application of the substance / the mixture**

Zur Herstellung von Kunststoffen, zur Tabakbefeuchtung, in der Nahrungs- und Kosmetikindustrie, als Druckübertragungs-, Feuchthalte-, Beschlagverhinderungs- und Gefrierschutzmittel

· **1.3 Details of the supplier of the safety data sheet**

· **Supplier:**

Häffner GmbH & Co. KG  
Friedrichstr. 3  
D-71679 ASPERG

Tel.: +49(0)7141/67-0  
Fax : +49(0)7141/67-33237  
internet: [www.hugohaeffner.com](http://www.hugohaeffner.com)

Qualified person gem. Verordnung (EG) Nr. 1907/2006: SDB@hugohaeffner.com

· **Further information obtainable from:** Department Laboratory

· **1.4 Emergency telephone number:**

Häffner GmbH & Co. KG  
Tel.: +49(0)7141/67-0 (Abt. Labor)

Outside business hours:

Information Center for poisoning, Mainz  
Tel.: +49(0)6131/19240

**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**

Not a hazardous substance according to Regulation (EC) No. 1272/2008.

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Information concerning particular hazards for human and environment:**

· **Signs and symptoms of an exposure (acute effects):**

In case of inhalation: none, do not inhale vapor or aerosols

In case of eye contact: low irritation by aerosols possible

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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· **vPvB:** Not applicable.

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**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
56-81-5 1,2,3 propane triole
- **INCI-name:** glycerine
- **Identification number(s)**
- **EC number:** 200-289-5
- **RTECS-number:** MA 8050000
- **Additional information:** EG-Lebensmitteladditiv-Nummer: E422

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**



Supply fresh air and to be sure call for a doctor.

- **After skin contact:**  
Generally the product does not irritate the skin.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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:**  
Carbon dioxide  
Fire-extinguishing powder  
Alcohol-resistant foam  
Water spray
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Brennbar. Dämpfe schwerer als Luft, bewirken Husten. Bei starker Erhitzung sind explosionsfähige Gemische mit Luft möglich.  
Bei erhöhten Temperaturen besteht Gefahr einer exothermen Polymerisation (> 200 °C). Bei Temperaturen oberhalb von 280 °C kann Acrolein gebildet werden.

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- **5.3 Advice for firefighters**
- **Protective equipment:**



*Wear a self-contained breathing apparatus.*

*Chemical protection gear*

- **Additional information**  
*Cool endangered containers with water-spray.*  
*Kontakt mit Oxidationsmitteln vermeiden.*

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** *Do not inhale fumes/aerosols.*
- **6.2 Environmental precautions:**  
*Do not allow product to reach sewage system or any water course.*  
*Inform respective authorities in case of seepage into water course or sewage system.*
- **6.3 Methods and material for containment and cleaning up:**  
*Absorb with inert liquid-binding material (sand, diatomite, acid binders or universal binders).*
- **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 disposal information.*
- **Additional information:** *No dangerous substances are released.*

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
*Bei Handhabung schwerer Gebinde müssen Sicherheitsschuhe und geeignete Werkzeuge verwendet werden.*
- **Information about fire - and explosion protection:**  
*Keep away from heat, sparks and fire.*  
*Kontakt mit Oxidationsmittel vermeiden.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
*For storage purposes the applicable provisions for storing substances that are hazardous to water in compliance with the water hazard class must be complied with (e.g. WHG (Federal Water Act), VAWS (Ordinance on installations for handling water-polluting substances and on specialist companies), fire water retention directive, etc.).*  
*Bei Raumtemperatur lagern.*  
*Zum Schutz vor eindringender Feuchtigkeit Behälter stets geschlossen halten.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Protect from heat and direct sunlight.*
- **Maximum storage temperature:** *Do not store above 55 °C.*
- **7.3 Specific end use(s)** *No further relevant information available.*

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

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
rutschfeste Sicherheitsschuhe tragen
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Safety glasses recommended during refilling

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Viscous
Colour:	colourless
Odour:	odourless
- **pH-value:** Neutral
- **Change in condition**

Melting point/freezing point:	~ 18 °C
Initial boiling point and boiling range:	~ 290 °C
- **Flash point:** ~ 175 °C
- **Ignition temperature:** > 400 °C
- **Explosive properties:** Product does not present an explosion hazard.
- **Vapour pressure at 20 °C:** < 0.1 mbar
- **Density at 20 °C:** ~ 1.26 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Fully miscible.
- **Viscosity:**

Dynamic at 20 °C:	990-1400 mPas
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- **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Decomposes on exposure to temperature rise. May polymerize on exposure to temperature rise (> 200 °C)
- **10.3 Possibility of hazardous reactions**  
Reacts with oxidising agents.  
Bei der Reaktion mit stark wasserentziehenden Mitteln (Schwefelsäure) entsteht Acrolein (giftig, reizend).
- **10.4 Conditions to avoid** No further relevant information available.

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** acrolein (> 280 °C)

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

Oral	LD50	> 12600 mg/kg (rat)
Dermal	LD50	> 18700 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Slightly irritant (lit.)
- **Serious eye damage/irritation** Slightly irritant (lit.)
- **Inhalation:** leicht reizend durch Austrocknung der Schleimhäute
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.  
Nach Verschlucken großer Mengen: Erbrechen, Bauchschmerzen, Kopfschmerzen, Durchfall, Benommenheit
- **Mutagenicity:** Ames-Test: No mutagenic effects
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Aktuelle verfügbare Daten zeigen keine karzinogenen, mutagenen oder teratogene Effekte auf.
- **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.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:**
- **Acute fish toxicity:**  
LC50 (96 h) > 1000 mg/l  
LC50 (24 h) > 5000 mg/l (lit., pure substance)
- **Acute bacteria toxicity:**  
EC50 (72 h) > 10000 mg/l (lit.)  
EC5 (16 h) > 10000 mg/l (lit., pure substance)
- **Algae toxicity:**  
EC50 (48 h) > 2900 mg/l (lit.)  
IC5 (7 d) > 10000 mg/l (lit., pure substance)
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Eine Gefährdung des Trinkwassers ist möglich, wenn große Mengen in den Boden oder in den Wasserkreislauf gelangen.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Disposal according to the public regulatory rules.  
Waste burning is possible.
- **European waste catalogue**  
It is not possible to define a waste disposal key number according to the European Waste catalogue (EWC) since only the purpose of use of the consumer allows for an assignment.  
The waste disposal key number according to the waste catalogue (EU-decision about the waste catalogue 2000/532/EC) must be defined as agreed with the disposer / manufacturer / the authority.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- |   |  |
|---|--|
| · <b>14.1 UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Void   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>14.4 Packing group</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                | Void   |
| · <b>14.5 Environmental hazards:</b>  | Not applicable.  |
| · <b>14.6 Special precautions for user</b>  | Not applicable.  |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable.  |
| · <b>Transport/Additional information:</b>  |  |
| · <b>ADR</b><br>· <b>Remarks:</b>   | This product is not subject to the ADR/RID provisions. |

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· <b>IMDG</b> · <b>Remarks:</b>	<i>This product is not subject to the provisions of the IMDG-Code.</i>
· <b>IATA</b> · <b>Remarks:</b>	<i>This product is not subject to the IATA-DGR/ICAO-TI provisions.</i>
· <b>UN "Model Regulation":</b>	<i>Void</i>

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **International provisions:**
- **TSCA (Toxic Substances Control Acts)(USA):** *This substance is listed.*
- **AICS/NICNAS (Australia):** *This substance is listed.*
- **DSL/NDSL (Canada):** *Listed in DSL.*
- **ENCS (Japan):** *2-242*
- **ECL (Corea):** *KE-29297*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

**SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
Do not represent a warranty of characteristics of the described product(s) in a legal sense.  
The material safety data sheet is based on data that were accurate as of the date of its preparation. Despite the measures taken by us it might be possible that the data are not up to date or do not correspond to special situations. We are not liable for possible damages or injuries resulting from an inappropriate use, from errors occurring after a correct use or from hazards which are inherent to the product.*

- **Department issuing SDS:**  
*Department GGB  
Sch*
- **Abbreviations and acronyms:**  
*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
ADR: Accord européen sur le transport 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 Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative*
- **Sources** *This information is based on the information from preliminary suppliers.*
- **\* Data compared to the previous version altered.**  
*This safety data sheet replaces all former versions for this product. Modifications of the previous version are marked by "\*".*