

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2009

Revision: 05.09.2005

### 1 Identification of substance

- **Product details**
- **Trade name** Glyzerin 86,5% HP pflanzlich
- **Article number:** H1000124910200
- **Application of the substance / the preparation** Intermediate
- **Manufacturer/Supplier:**  
Julius Hoesch GmbH & CO KG  
Birkesdorfer Straße 5  
52353 Düren - Hoven
- **Informing department:** Product safety department
- **Emergency information:**  
Poison Control Center, Mainz  
Tel. 00 49 / 61 31 / 19 240

Tel. 02421/807-0

email: info@julius-hoesch.de

### 2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**  
According to data we have to hand this product is no hazardous material according to the spirit of EC directives or the German decree regarding hazardous materials in the latest valid version.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Glycerin, pflanzlich 86,5 %
- **Dangerous components:** Void
- **Additional information** EINECS 200-289-5

### 4 First aid measures

- **General advice:** In case of unconsciousness bring patient into stable side position for transport.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Wash with water.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Do not induce vomiting. Drink water in small gulps. Seek medical advice if symptoms persist.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**  
Formation of toxic gases is possible during heating or in case of fire (carbon monoxide, acrolein).

### \* 6 In case of accidental release

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** Dilute with much water.

(Contd. on page 2)

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2009

Revision: 05.09.2005

Trade name Glyzerin 86,5% HP pflanzlich

(Contd. of page 1)

**- Measures for cleaning/collecting:**

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

### 7 Handling and storage

**- Handling****- Information for safe handling:** The usual good standards of industrial hygiene should be maintained.**- Information about protection against explosions and fires:** No special measures required.**- Storage** Keep containers tightly closed. Store in cool, dry conditions.**- Requirements to be met by storerooms and containers:** Store in cool location.**- Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

### \* 8 Exposure controls and personal protection

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

56-81-5 glycerol (50-100%)

WEL () Long-term value: 10 mg/m<sup>3</sup>**- Additional information:** The lists that were valid during the compilation were used as basis.**- Personal protective equipment****- Breathing equipment:** Not required.**- Protection of hands:** Protective gloves and protective skin cream.**- Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

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.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**- Eye protection:** Safety glasses recommended during refilling.

### 9 Physical and chemical properties:

**- General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Smell:</b>	Odourless

**- Change in condition**

Melting point/Melting range: ca. -10°C

Boiling point/Boiling range: ca. 130°C

**- Flash point:** 160°C**- Ignition temperature:****- Decomposition temperature:** ab 130°C

(Contd. on page 3)

— GB —

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2009

Revision: 05.09.2005

Trade name Glyzerin 86,5% HP pflanzlich

(Contd. of page 2)

<b>- Critical values for explosion:</b>	
<b>Lower:</b>	0.9 Vol % (Reinkomp.)
<b>- Density at 20°C</b>	1.23 g/cm <sup>3</sup>
<b>- Solubility in / Miscibility with Water:</b>	Fully miscible
<b>- Viscosity: dynamic at 20°C:</b>	136 mPas

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Materials to be avoided:** oxidising agents, sulfuric acid, nitric acid
- **Dangerous reactions** Violent reaction with oxidizing agents

### 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**56-81-5 glycerol**

Oral | LD50 | 12600 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritant effect.

- **Sensitization:** No sensitizing effect known.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information we have to hand.

### \*12 Ecological information:

- **General notes:**

Do not allow to enter drainage system, surface or ground water.

Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 13 Disposal considerations

- **Product:**

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- **Waste disposal key number:**

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

(Contd. on page 4)

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2009

Revision: 05.09.2005

Trade name Glyzerin 86,5% HP pflanzlich

(Contd. of page 3)

**- Uncleaned packagings:****- Recommendation:**

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

**- Recommended cleaning agent:** Water, if necessary with cleaning agent.**14 Transport regulations:****- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)****- ADR/RID-GGVS/E Class:** -**15 Regulations:****- Designation according to EC guidelines:**

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Observe the normal safety regulations when handling chemicals

**- National regulations****- Technical instructions (air):**

Class	Share in %
NK	50-100

**- Water hazard class:**

Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.

**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.

**- Relevant R-phrases** Void**- Department issuing data specification sheet:** see item 1: Informing departement