

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 13.02.2017

Version number 2

Revision: 13.02.2017

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

• 1.1 Product identifier

• **Trade name:** EDENOR® G99.8 PH

• **Description:** Glycerol

• **CAS Number:**

56-81-5

• **EC number:**

200-289-5

• **Registration number**

Not applicable.

Annex V (9) of REACH

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

No further relevant information available.

• **Application of the substance / the mixture**

Hand cleaning agent

Bath cleaner

Skin cosmetics

Food additives

Additive for cosmetic or pharmaceutic preparations

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

• **Manufacturer/Supplier:**

KLK Emmerich GmbH

Henkelstr. 67

D-40589 Düsseldorf

Tel. No. +49 (0)2822 720

KLK Emmerich GmbH

Steintor 9, 46446

Emmerich am Rhein

GERMANY

Tel. No.: +49 (0) 2822 72 0

Fax No.: +49 (0) 2822 72 276

• **Further information obtainable from:** enquiry@klkoleo.com

• **1.4 Emergency telephone number:**

+49 (0)211 797 3350 (KLK Emmerich GmbH - Düsseldorf)

+32 3575 5555 (KLK Emmerich GmbH - Emmerich an Rhein)

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 applicable

• **Hazard pictograms** Not applicable

• **Signal word** Not applicable

• **Hazard statements** Not applicable

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

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Trade name: EDENOR® G99.8 PH

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SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substance**
- **CAS No. Description**
56-81-5 glycerol
- **Identification number(s)**
- **EC number:** 200-289-5
- **Additional information:**
The product is not classified as hazardous to health or environment according to the CLP regulation.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **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:**
CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
Sand
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **5.3 Advice for firefighters** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.

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- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 Glycerol

Eight-hour time-weighted average airborne concentration (TWA)	Glycerine mist 10mg/m ³
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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
Nitrile rubber, NBR
Butyl rubber, BR
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 protection:** Safety glasses

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Viscous
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/freezing point:	ca. 18 °C
Initial boiling point and boiling range:	ca. 290 °C

- **Flash point:** ca. 177 °C (Cleveland Open Cup)

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** ca. 400 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Not determined.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapour pressure at 20 °C:** ca. < 0,01 hPa

- **Density at 20 °C:** ca. 1,26 g/cm³

- **Relative density** Not determined.

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· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	- 1,76 log Kow
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not determined.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** In case of warming: Vapours can form explosive mixtures with air.
- **10.2 Chemical stability** Stable at environment temperature.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts violently with oxidising agents.
- **10.4 Conditions to avoid** See Section 7 for information on safe handling.
- **10.5 Incompatible materials:** See Section 7 for information on safe handling.
- **10.6 Hazardous decomposition products:** Poisonous gases/vapours

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:

56-81-5 Glycerol

Oral	LD50	12600 mg/kg bw (Rat)
Dermal	LD50	> 21900 mg/kg bw (Rat)

- **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.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **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:

56-81-5 Glycerol

Acute EC50 (24h)	> 10000 mg/L (fish)
LC100 (96h)	51000 - 57000 mg/L (Daphnia magna)

- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential**
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**

· General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

WGK Registration 116 for CAS No. 56-81-5.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|--|
| • 14.1 UN-Number | |
| • ADR,RID,ADN, ADN, IMDG, IATA | Not regulated |
| • 14.2 UN proper shipping name | |
| • ADR,RID,ADN, ADN, IMDG, IATA | Not regulated |
| • 14.3 Transport hazard class(es) | |
| • ADR,RID,ADN, ADN, IMDG, IATA | |
| • Class | Not regulated |
| • 14.4 Packing group | |
| • ADR,RID,ADN, IMDG, IATA | Not regulated |
| • 14.5 Environmental hazards: | |
| • Marine pollutant: | No |
| • 14.6 Special precautions for user | Not applicable. |
| • 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Product name: Glycerine
Pollution category: Z
Ship type: 2 |
| • UN "Model Regulation": | Not regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Other regulations, limitations and prohibitive regulations**

Positive Country Substance Listing for CAS No. 56-81-5:

USA (TSCA) : ID 123, Canada (DSL), Europe (EINECS) : 200-289-5, Japan (ENCS) : 2-242, Australia (AICS), Korea (ECL) : KE-29297, China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (CSNN).

Note: The substance name and CAS numbers which are used for this product in the stated inventories may deviate from the information listed in Section 3.

- **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.

- **Department issuing SDS:** enquiry@klkoleo.com
- **Contact:** enquiry@klkoleo.com
- **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)
 - ICAO: International Civil Aviation Organisation
 - RA : Read across
 - LDLo: Lowest Published Lethal Dose
 - VOID: Not regulated / Not Classified / Not a Dangerous Good
 - 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

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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**

Annex 12 of Resolution MEPC.225(64) 2012 Amendments to The International Code For The Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).
 CCRIS-Chemical Carcinogenesis Research Information System for Cas No. 56-81-5
 Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Third Revised Edition.
 HSDB for Cas No. 56-81-5
 IMO (2007). IBC Code 2007 Edition.
 IMO (2008). IMDG Code International Maritime Dangerous Goods Code. Incorporating Amendment 34-08. 2008 Edition, Volume 1 & 2.
 IUCLID for Cas No. 56-81-5, dated 18-Feb-2000.
 Official Journal of the European Union Regulation (EC) No 1272/2008.
 Official Journal of the European Union Regulation (EC) No 1907/2006.
 Official Journal of the European Union Commission Regulation (EU) No 453/2010.
 Official Journal of the European Union Commission Regulation (EU) 2015/830.
 PAN Pesticide Database for Cas No. 56-81-5

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

EDENOR G99.8 PH (Europe)

Revision 1 (17 Feb 2014)
 New issuance GHS/CLP SDS in KLK OLEO format.

Revision 2 (13 Feb 2017)
 All - Update SDS using Chemges format.

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