

Safety data sheet according to UK REACH



Printing date 13.02.2026

Version number 5 (replaces version 4)

Revision: 13.02.2026

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

- **1.1 Product identifier**
- **Trade name:** SHERALIQUID
- **Article number:**
208010
208011
- **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:** Mixing liquid for investments.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SHERA Werkstoff-Technologie GmbH
Espohlstraße 53
D-49448 Lemförde
GERMANY
sdb@shera.de
+ 49 (0) 54 43 - 9933 - 0
- **Further information obtainable from:** Department of product security.
- **1.4 Emergency telephone number:**
+49 5443 9933-0 This number is serviced during office hours.
Opening times: Monday to Thursday from 8 am - 5 pm, Friday from 8 am - 3 pm.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008:**
The product is not classified, according to the GB CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008:** Void.
- **Hazard pictograms:** Void.
- **Signal word:** Void.
- **Hazard statements:** Void.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 7631-86-9 EINECS: 231-545-4 Reg.nr.: 01-2119379499-16	silicon dioxide, chemically prepared Substance with a Community workplace exposure limit. Nanoform: set including amorphous nanoforms Number-based particle size distribution: d50: 3 - 90 non-surface-treated nanoforms Shape: Spheroidal Structure: amorphous forms Crystallinity: amorphous nanoform Aspect ratio: spherical Surface-to-mass ratio: VSSA [m ² /cm ³]84-1890 40 -900 m ² /g.	25-50%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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:**
Wash with water and soap.
In case of skin irritation, seek medical treatment.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse mouth immediately and drink large quantities 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:**
The product itself does not burn.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information available.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions** Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
No dangerous substances are released.
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**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Keep container in a well-ventilated and dry place.
Keep container tightly closed.
Protect from direct sunlight.

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Storage temperature: 5°C to 50°C

Protect from frost.

- **Information about storage in one common storage facility:** No special measures are necessary.
- **Further information about storage conditions:** None.
- **Storage class:** 12 - Non-flammable liquids.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

7631-86-9 silicon dioxide, chemically prepared

AGW (Germany)	Long-term value: 1 E mg/m ³ 8(II);AGS, 2, Y
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- **Additional information:** The lists valid during the making 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 are to be adhered to when handling chemicals.
- **Respiratory protection:**
If occupational exposure limits (OEL) and other exposure limits are observed long-term, no particular precautions are normally required.
- **Hand protection**
- **Material of gloves:**
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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.
- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
Butyl rubber, BR
Nitrile rubber, NBR
- **Not suitable are gloves made of the following materials:**
Strong material gloves
Leather gloves
- **Eye/face protection** Goggles recommended during refilling
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- **General Information**
- **Physical state** Liquid
- **Colour:** Opaque
- **Odour:** Odourless
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** 100 °C
- **Flammability** Not applicable.

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<ul style="list-style-type: none"> · Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: Not applicable. · Auto-ignition temperature: Not applicable. · Decomposition temperature: Not determined. · pH at 20 °C 9-10.3 · Viscosity: · Kinematic viscosity Not determined. · Dynamic at 20 °C: <15 mPas · Solubility · water: Fully miscible. · Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure at 20 °C: ~23 hPa · Density and/or relative density · Density at 20 °C: 1.1-1.3 g/cm³ · Relative density Not determined. · Vapour density Not determined. 	
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · Form: Fluid · Important information on protection of health and environment, and on safety. · Ignition temperature: Product is not selfigniting. · Explosive properties: Product does not present an explosion hazard. · Solvent content: · VOC (EC): 0.00 % · Change in condition: · Evaporation rate Not determined. 	
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · Explosives Void. · Flammable gases Void. · Aerosols Void. · Oxidising gases Void. · Gases under pressure Void. · Flammable liquids Void. · Flammable solids Void. · Self-reactive substances and mixtures Void. · Pyrophoric liquids Void. · Pyrophoric solids Void. · Self-heating substances and mixtures Void. · Substances and mixtures, which emit flammable gases in contact with water Void. · Oxidising liquids Void. · Oxidising solids Void. · Organic peroxides Void. · Corrosive to metals Void. · Desensitised explosives Void. 	

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions of storage and transport of solids.
- **10.2 Chemical stability** No decomposition if used according to specifications.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Frost.
Solution drying out. Can cause dust to form.
- **10.5 Incompatible materials** Steel, aluminium, copper.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

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 relevant for classification:**

7631-86-9 silicon dioxide, chemically prepared	
Oral	LD50 >10,000 mg/kg (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.
- **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**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

7631-86-9 silicon dioxide, chemically prepared	
EC50/48 h	120 mg/l (Algae)
	7,600 mg/l (Daphnia (Daphnia magna))
EC50/48h	120 mg/l (Algae)
LC50/96 h	>5,000 mg/l (Fish)
NOEC	60 mg/l (Algae)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** Bio-accumulation not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** This mixture does not contain any ingredients that are considered persistent, bio-accumulative or toxic.
- **vPvB:**
This mixture does not contain any ingredients that are considered very persistent or very bio-accumulative.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Waste disposal key:**
The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Non contaminated packagings may be treated like household garbage.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, ADN, IMDG, IATA 	Void.
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, IMDG, IATA 	Void.
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class 	Void.
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	Void.
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No.
<ul style="list-style-type: none"> · 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
<ul style="list-style-type: none"> · UN "Model Regulation": 	Void.

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

<ul style="list-style-type: none"> · Regulated explosives precursors 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Regulated poisons 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Reportable explosives precursors 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Reportable poisons 	None of the ingredients is listed.

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Department issuing SDS:** Department of product security.
- **Abbreviations and acronyms:**
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 Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered.**

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