

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)
Date of issue: 21.10.2013 Supersedes edition of: ---

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

1.1 Product identifier

Product name: Glakur

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

Glass cleaner

1.3 Details of the supplier of the safety data sheet

Company: Otto Oehme GmbH
 Industriestraße 20
 D-90584 Allersberg Deutschland
 Tel. +49 9176 98050
 info@oehme-lorito.de

1.4 Emergency telephone number

Poison Control Center Nuremberg, Tel. + 49 911 398 2451

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This mixture is not classified as dangerous according to European Union legislation.

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

This product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

Not known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components

Name according to EC-Directives:

<i>CAS-No.</i>	<i>EC-No.</i>	<i>EC-Index-No.</i>	<i>Labelling according to EC-Directives</i>	<i>Content</i>
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2-Propanol				
67-63-0	200-661-7	603-117-00-0	F, Xi R 11-36-67	<20 %

REACH Registration Number: 01-2119457558-25-0000

Full text of R-Phrases: see under section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Immediately remove contaminated clothing.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist immediately.

After swallowing: Caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects.

After absorption of large quantities: Respiratory paralysis, drowsiness, dizziness, unconsciousness, narcosis, inebriation, headache, coma.

Drying-out effect resulting in rough and chapped skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide, foam, dry powder.

Unsuitable extinguishing media

For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Contains combustible material. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at ambient temperatures. Pay attention to flashback. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. Keep away from sources of ignition, no smoking.

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6.2 Environmental precautions

Do not allow to enter sewerage system. Risk of explosion.

6.3 Methods and material for containment and cleaning up

Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols. See section 8.

Notes for prevention of fire and explosion

Keep away from heat and sources of ignition. Take precautionary measures against static discharge. Vapours heavier than air. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Store cool above 5 °C. Keep away from sun and heat. Tightly closed in a well-ventilated place. Away from sources of ignition and heat.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

2-Propanol

EH40 WEL

Name	2-Propanol
Short term exposure limit (STEL)	500 ppm 1250 mg/m ³

Time weighted average (TWA)	400 ppm 999 mg/m ³
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8.2 Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection:

Tightly fitting safety goggles (EN 166).

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Hand protection:

Glove material: Nitrile Rubber.

Details on the penetration time have to be asked by the manufacturer.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374.

Other protective equipment

Acid-resistant protective clothing.

Respiratory protection:

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

Hygiene measures

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	liquid
Colour:	blue
Odour:	alcohol-like
pH value	7
Melting point	not specified
Boiling point	not specified
Ignition temperature	not applicable
Flash point	44 °C, do not sustain combustion
Explosion limits	lower 2 % (2-Propanol)
upper 13.4 % (2-Propanol)	
Density (20 °C)	~ 1 g/cm ³
Solubility in water	miscible

9.2 Other information

None.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Vapours may form explosive mixtures with air.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Risk of ignition or formation of inflammable gases or vapours with:

Alkali metals, alkaline earth metals, aluminium.

Exothermic reaction with: Oxidizing agents, nitric acid, iron.

Risk of explosion with: Chlorates, organic nitro compounds, hydrogen peroxide.

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10.4 Conditions to avoid

Warming, open flame, sources of ignition.

10.5 Incompatible materials

Rubber, various plastics.

10.6 Hazardous decomposition products

See section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LDLo human: 3570 mg/kg (RTECS, 2-Propanol)

LD₅₀ rat: 5045 mg/kg (RTECS, 2-Propanol)

Symptoms: Risk of aspiration upon vomiting, aspiration may cause pulmonary oedema and pneumonitis.

Acute dermal toxicity

LD₅₀ rabbit: 12800 mg/kg (RTECS, 2-Propanol)

Acute inhalation toxicity

LC₅₀ rat: 46.5 mg/l /4 h (external MSDS, 2-Propanol)

Symptoms: Drowsiness, dizziness, irritation symptoms in the respiratory tract.

Eye irritation

Rabbit: Eye irritation (RTECS; 2-Propanol).

Causes serious eye irritation.

Sensitisation

Guinea pig: Negative (IUCLID; 2-Propanol).

Genotoxicity in vivo

Mutagenicity (mammal cell test): Micronucleus: Negative (IUCLID; 2-Propanol).

Genotoxicity in vitro

Ames test: Negative (IUCLID; 2-Propanol).

Mutagenicity (mammal cell test): Micronucleus: Negative (external MSDS; 2-Propanol).

Carcinogenicity

Did not show carcinogenic effects in animal experiments (IUCLID; 2-Propanol).

Reproductive toxicity

No impairment of reproductive performance in animal experiments (IUCLID; 2-Propanol).

Teratogenicity

Did not show teratogenic effects in animal experiments (IUCLID; 2-Propanol).

Specific target organ toxicity – single exposure

May cause drowsiness or dizziness.

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Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification.

11.2 Further information

Systemic effects: After absorption: Headache, dizziness, inebriation, unconsciousness, narcosis.
After absorption of large quantities: Respiratory paralysis, coma.

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Lepomis macrochirus LC₅₀: 1400 mg/l /96 h (ECOTOX Database; 2-Propanol)

Toxicity to daphnia an other aquatic invertebrates

Daphnia magna: EC₅₀: 13299 mg/l /48 h (IUCLID; 2-Propanol)

Entosiphon sulcatum: EC₅: 4930 mg/l /72 h (maximum permissible toxic concentration; external MSDS; 2-Propanol)

Toxicity to alga

Desmodesmus subspicatus IC₅₀: > 1000 mg/l / 72 h (IUCLID; 2-Propanol)

Toxicity to bacteria

Pseudomonas putida EC₅: 1050 mg/l /16 h (external MSDS, 2-Propanol)

12.2 Persistence and degradability

Biodegradability

The surfactants contained in this preparation complies with the Biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biodegradation: 95 % / 21 d (OECD 301E; 2-Propanol)

Readily biodegradable (2-Propanol)

Theoretical oxigen demand (ThOD)

2400 mg/g (external MSDS, 2-Propanol)

Ratio BOD / ThBOD

BOD₅: 49 % (IUCLID; 2-Propanol)

Ratio COD / ThBOD

96 % (external MSDS, 2-Propanol)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol / water: log P_{ow}: 0,05 (OECD 107; 2-Propanol).

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No bioaccumulation is to be expected (2-Propanol).

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Additional ecological information:

Do not allow to enter waters, waste water, or soil!

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste
070601*

Name according to directive 2000/532/EC:
aqueous washing liquids and mother liquors.

Packaging:

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

Code of the waste
200139

Name according to directive 2000/532/EC:
plastics.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

EU regulations

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Anionic surfactants: Less than 5 %

Perfumes. Limonene.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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SECTION 16: Other information

Text of any R phrases referred to under section 2 and 3:

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.