



Reinigungsgeräte für den Profi

SAFETY DATA SHEET

in accordance with Commission Regulation (EU) No. 453/2010

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Compilation date: 31.03.2008

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Revision No: 2

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

1.1. Product identifier

Product name: UNGER LIQUID GLASS CLEANER

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

Use of substance / mixture: Glass and plastic cleaner for professional users

1.3. Details of the supplier of the safety data sheet

Company name: Unger Germany GmbH

Piepersberg 44

D - 42653 Solingen

Germany

Tel: +49 (0)212 - 2207-0

Email: ungereurope@ungerglobal.com

1.4. Emergency telephone number

Emergency tel: +49 (0)212 - 2207-0

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

*3.2. Mixtures

Hazardous ingredients:

FATTY ALCOHOL ETHOXYLATE

| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
|--------|------------|---------------------|--------------------------------------|---------|
| - | 68439-50-9 | Xn: R22; Xi: R41 | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-5% |

ETHANOL

| | | | | |
|-----------|---------|--|--------------------|------|
| 200-578-6 | 64-17-5 | F: R11 Substance with a Community workplace exposure limit. | Flam. Liq. 2: H225 | 1-5% |
|-----------|---------|--|--------------------|------|

FATTY ACID AMIDOALKYLBETAINE

| | | | | |
|-----------|------------|-----------------|---|------|
| 263-058-8 | 61789-40-0 | Xi: R36; -: R52 | Eye Irrit. 2: H319; Aquatic Chronic 3: H412 | 1-5% |
|-----------|------------|-----------------|---|------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Headaches or general malaise may result.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: not necessary.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash with plenty of water.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from direct sunlight. Keep away from food, drink and animal feedingstuffs.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------------------|--------------|------------|--------------|
| UK | 1920 mg/m ³ | - | - | - |

8.2. Exposure controls

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Green

Odour: fresh

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Relative density: 1,006 g/ml

pH: 6,7

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

| Route | Species | Test | Value | Units |
|------------------------------------|---------|------|------------|-------|
| Fatty alcohol ethoxylate: ORL | RAT | LD50 | >200-<2000 | mg/kg |
| Fatty acid amido alkylbetaine: ORL | RAT | LD50 | >4900 | mg/kg |

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Headaches or general malaise may result.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

| Species | Test | Value | Units |
|---|------|-----------|-------|
| Fatty acid amido alkylbetaine: Onchorhynchus mykiss | NOEC | 0,16 | mg/l |
| Daphnia magna | NOEC | 0,9 | mg/l |
| Fatty alcohol ethoxylate: Fish toxicity | LC50 | >1-<=10 | mg/l |
| Bacteria toxicity | EC0 | >10-<=100 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: no data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity. The product has not been tested. Data apply to the components with the highest toxicological risk.

Section 13: Disposal considerations**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 20 01 30

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information**Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Phrases used in s.2 and 3: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

R11: Highly flammable.

R22: Harmful if swallowed.

R36: Irritating to eyes.

R41: Risk of serious damage to eyes.

R52: Harmful to aquatic organisms.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.