

## Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 01.06.2007

### 1 Identification of substance

- **Product details**
- **Trade name** Oil and Grease Remover
- **Article number:** 8702
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**  
Remmers Baustofftechnik GmbH  
Postfach 1255  
D-49624 Lönningen / Germany  
Tel.: 05432/83-0  
Fax: 05432/3985
- **Informing department:**  
Product Safety department: Tel.: +49 (0)5432/83-138/-538  
E-Mail: sales@remmers.co.uk
- **Emergency information:**  
during working hours:  
U.K.: Tel.: +44 (0) 845 373 0103  
Far East: Tel.: +65( 0) 67410277  
Head Office Germany: Tel.: +49 (0)5432 83 185  
after working hours: Tel.: +49 (0)171/6428-297

### 2 Hazards identification

- **Hazard designation:**



C Corrosive

- **Information pertaining to particular dangers for man and environment**  
R 34 Causes burns.
- **Classification system**  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**  
mixture of anionic and non-ionic surface-active agents with cleaning promoters, water-soluble auxiliary agents and colorants

- **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xn, Xi; R 20/21/22-36/38	2.5-<5%
CAS: 1344-09-8 EINECS: 215-687-4	Silicic acid, sodium salt	C, Xi; R 34-37	2.5-<5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

Trade name **Oil and Grease Remover**

(Contd. of page 1)

**4 First aid measures**

- **After inhalation**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**  
Wash immediately with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **The following symptoms may occur:** Irritating effect on skin and eyes.
- **Treatment** Treat chemical burns the same as burns caused by heat.

**5 Fire fighting measures**

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

**6 Accidental release measures**

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or water bodies.  
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.  
Rinse away remains with plenty of water.  
Ensure adequate ventilation.

**7 Handling and storage**

- **Handling**
- **Information for safe handling:**  
Use only in well ventilated areas.  
Work with alkali resistant tools/equipment.
- **Information about protection against explosions and fires:** The product is not flammable
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in alkali resistant containers.
- **Information on storage in a common storage facility:** Do not store together with acids.
- **Further information about storage conditions:**  
Store cool and dry in tightly closed containers.  
Protect from frost.  
Protect from heat and direct sunlight.

**8 Exposure controls and personal protection**

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

(Contd. on page 3)

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 01.06.2007

Trade name **Oil and Grease Remover**

(Contd. of page 2)

**Components with limit values that require monitoring at the workplace:**
**111-76-2 2-butoxyethanol**

WEL	Short-term value: 50 ppm Long-term value: 25 ppm Sk
-----	---

· **Additional information:** The lists that were valid during compilation were used as a basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

Do not inhale gases / vapours / aerosols.

· **Respiratory equipment:**

In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles.

Filter A/P2.

Code of Practice ZH 1 / 701 Hauptverband der Gewerbl. BG

· **Protection of hands:**

· **Material of gloves** Nitrile rubber, NBR

· **Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

· **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellow
<b>Odour:</b>	perfumed

· **Change in condition**

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** 100°C

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive.

· **Vapour pressure at 20°C:** 23 mbar

· **Density at 20°C** ca. 1.0 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water:** Fully miscible

· **pH-value at 20°C:** 13

· **Solvent content:**

**Organic solvents:** 4-5 %

GB

(Contd. on page 4)

Trade name **Oil and Grease Remover**

(Contd. of page 3)

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
No decomposition if handled and stored according to specifications.
- **Materials to be avoided:**  
Acids  
metals
- **Dangerous reactions**  
Reacts with acids  
Because of alkalinity, reactions with metals (e.g. zinc and aluminium) producing heat and hydrogen are possible.
- **Dangerous decomposition products:**  
None if used properly.  
None if stored properly.

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**  
**on the skin:** Irritates skin and mucous membranes.  
**on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**  
When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

## 12 Ecological information:

- **Information on elimination (persistence and degradability):**
- **Other information:**  
2-butoxyethanol is readily biodegradable.  
(Degree of elimination > 70%)
- **Ecotoxicological effects:**
- **Acquatic toxicity:**
- **Type of test Effective concentration Method Assessment**  
Data for 2-butoxyethanol:  
Acute toxicity for fish:  
Ide LC-50 = 1995 mg/l/48 h  
Leuciscus idus LC-50 : 1800 mg/l/48 h (DIN 38412, part 15)  
Acute toxicity for daphnia:  
Daphnia magna EC-50 : 5000 mg/l/24 h (DIN 38412, part 11)
- **Other information:**  
When discharging acidic or alkaline products in sewage systems, make sure that the effluent does not fall below or exceed a pH range of 6 - 10 since shifts in pH value can cause disturbances in sewers and biological sewer treatment plants. Subject to local discharge guidelines.
- **General notes:**  
Water hazard class 1 : slightly hazardous to water.  
Do not allow to reach ground water or bodies of water. May not be led undiluted into sewer systems.  
according to appendix 4 VwVwS

GB  
(Contd. on page 5)

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 01.06.2007

Trade name **Oil and Grease Remover**

(Contd. of page 4)

## 13 Notes on disposal:

- **Product:**

- **Recommendation**

After diluting with water to a pH value of 8-9, the product can be led into sewage system.

Observe local regulations.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

- **European waste catalogue**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 15	alkalines L 47/30 16.2.2001 Official Journal of the European Communities EN

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID and GGVs/GGVE (cross-border/domestic)**



- **ADR/RID-GGVs/E Class:** 8 (C9) Corrosive substances.

- **Kemler Number:** 80

- **UN-Number:** 1760

- **Packaging group:** II

- **Danger sign:** 8

- **Designation of goods:** 1760 CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)

- **Limited quantities (LQ)** LQ22

- **Tunnel restriction code** E

- **Remarks:** TREM-Card No. 82

- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 8

- **UN Number:** 1760

- **Label** 8

- **Packaging group:** II

- **EMS Number:** F-A,S-B

- **Correct technical name:** CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8

- **UN/ID Number:** 1760

- **Label** 8

(Contd. on page 6)

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 01.06.2007

Trade name **Oil and Grease Remover**

(Contd. of page 5)

- **Packaging group:** II
- **Correct technical name:** CORROSIVE LIQUID, N.O.S. (Silicic acid, sodium salt)

## 15 Regulatory information

- **Designation according to EC guidelines:**  
Observe normal safety precautions for handling chemicals  
The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).

- **Code letter and hazard designation of product:**



C Corrosive

- **Hazard-determining components of labelling:**

Silicic acid, sodium salt

- **Risk phrases:**

34 Causes burns.

- **Safety phrases:**

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- **National regulations**

Class	Proportion in %
NK	2,5-<5

- **Water hazard class:**

Water hazard class 1: slightly hazardous to water.  
according to appendix 4 VwVwS

- **Other regulations, limitations and prohibition ordinances**

Observe the usual protective measures when working and for storage.

Because of the products' alkaline properties, always observe the necessary protective measures and follow the instructions for use.

## 16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.  
Delivery specifications are found in the respective Technical Information Sheets.

- **Relevant R-phrases**

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

36/38 Irritating to eyes and skin.

37 Irritating to respiratory system.

- **Department issuing data specification sheet:** Product Safety department