

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2011

Revision: 17.04.2009

1 Identification of substance

- **Product details**
- **Trade name** AGE (Stripper)
- **Article number:** 1368
- **Application of the substance / the preparation** Paint remover
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **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 surface-active agent and solvents
Mixture of solvents/tensids

- **Dangerous components:**

CAS: 111-90-0 EINECS: 203-919-7	2-(2-ethoxyethoxy)ethanol		20-40%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	Xn; R 65	5-10%
CAS: 577-11-7 EINECS: 209-406-4	docusate sodium	Xi; R 38-41	1-2.5%

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

4 First aid measures

- **General information**
Immediately remove any clothing soiled by the product.

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In case of irregular breathing or respiratory arrest, provide artificial respiration.

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

· **After inhalation**

Take affected persons into the open air and position comfortably

Seek medical treatment in case of complaints.

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.

Do not use solvents or thinners!

· **After eye contact**

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

· **After swallowing**

Do not induce vomiting; call for medical help immediately.

Keep the person affected quiet.

· **Information for doctor**

· **The following symptoms may occur:**

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

tiredness

muscle weakness

anaesthetic effect

in exceptional cases unconsciousness

· **Danger**

Danger by skin resorption.

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

· **Treatment** To avoid dermatitis (skin inflammation), use skin cream.

5 Fire fighting measures

· **Suitable extinguishing agents**

Alcohol-resistant foam

Carbon dioxide

Fire-extinguishing powder

Water mist

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

· **Special hazards caused by the material, its products of combustion or flue gases:**

Thick black smoke forms in fires. Inhalation of dangerous decomposition products may cause serious damage to your health.

May be released in case of fire

Carbon monoxide (CO)

Carbon dioxide

Nitrogen oxides (NO_x)

Vapours are heavier than air and spread out over the ground. Ignition over greater distances is possible.

· **Protective equipment:**

Put on breathing apparatus.

Body protection

· **Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

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6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
- **Measures for environmental protection:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
Inform responsible authorities in case product reaches bodies of water or sewage system.
Inform responsible authorities if the product penetrates into the ground.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable containers.
Ensure adequate ventilation.
- **Additional information:** Fumes can combine with air to form an explosive mixture.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Use only in well ventilated areas.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information on storage in a common storage facility:**
Keep away from highly acidic and alkaline materials as well as oxidizing agents.
- **Further information about storage conditions:**
Store cool and dry in tightly closed containers.
Store container in a well ventilated position.
Protect from heat and direct sunlight.
Protect from frost.
Store between 5 and 40°C.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** Use only in well-ventilated areas.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Immediately remove soiled, saturated clothing.
Do not eat, drink or smoke while working.
Keep away from food, beverages and animal feed.
Apply solvent-resistant skin protection preparation before beginning work.
Be sure to clean skin thoroughly before pauses and after work.
Avoid contact with eyes and skin.
Do not inhale gases / vapours / aerosols.

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- **Respiratory equipment:**

If the solvent concentration is above TLV-values, respiratory equipment admitted for this purpose must be worn.

In case of high concentrations, use respiratory protection.

Respiratory protection if there is a risk of splashes/mist.

Short term filter device:

Filter A/P2.

- **Protection of hands:** Solvent resistant gloves

- **Material of gloves:** Butyl rubber, BR

- **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:** Safety glasses

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

9 Physical and chemical properties:

- **General Information**

Form:	Pasty
Colour:	Yellowish
Odour:	Fruit-like

- **Change in condition**

Melting point/Melting range: Not determined

- **Flash point:** 59°C

- **Ignition temperature:** 220°C

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

- **Danger of explosion:** Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.

- **Explosive Limits:**

Lower:	1.0 Vol %
Upper:	11.6 Vol %

- **Vapour pressure at 20°C:** 23 hPa

- **Density at 20°C** 1.05 g/cm³ (Pyknometer)

- **Solubility in / Miscibility with**

Water: Emulsifiable

- **pH-value (10 g/l) at 20°C:** 7.5 - 8.0 (pH-Elektrode)

- **Solvent content:**

Organic solvents: ca. 88 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if handled and stored according to specifications.

No decomposition if used according to specifications.

- **Materials to be avoided:**

Keep away from strong acids and alkaline materials as well as oxidising agents in order to avoid exothermic reactions.

- **Dangerous reactions** No dangerous reactions known

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· **Dangerous decomposition products:**

At high temperatures, the following may occur:
Carbon monoxide and carbon dioxide
smoke
Nitrogen oxides (NO_x)

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

111-90-0 2-(2-ethoxyethoxy)ethanol

Oral	LD50	5500 mg/kg (Ratte)
Dermal	LD50	6000 mg/kg (Ratte)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	> 5 mg/l (Ratte)

· **Primary irritant effect:**

· **on the skin:** No irritating effect.

· **on the eye:** No irritating effect.

· **Sensitisation:** No sensitising effect known.

· **Additional toxicological information:**

The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

Prolonged or repeated contact with the product impairs natural oiling of the skin and leads to dry skin. The product can be absorbed by the body through the skin.

Solvent splashes may have an irritating effect on eyes and cause reversible damage.

Inhalation of solvent constituents above the TLV-limit value may lead to health damage such as irritation of mucous membranes and respiratory organs as well as impairment of the central nervous system.

12 Ecological information:

· **General notes:**

Water hazard class 1 : slightly hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

· **Product:**

· **Recommendation**

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**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 21	waste paint or varnish remover

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- **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:** -

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -

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

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

- **Designation according to EC guidelines:**

The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).

Observe normal safety precautions for handling chemicals

Observe normal safety precautions when handling solvents.

- **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe aerosol.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

- **National regulations**

- **Water hazard class:**

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

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**

38 Irritating to skin.

41 Risk of serious damage to eyes.

65 Harmful: may cause lung damage if swallowed.

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