

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.03.2006

Reviewed on 01.04.2005

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Milling and drilling oil · **Article number:** 550 0000 8
- **Application of the substance / the preparation** Milling and drilling oil.
- **Manufacturer/Supplier:**  
Bredent  
Weißenhorner Straße 2  
D-89250 Senden  
Tel.: +49 (0) 7309/872-0  
Fax: +49 (0) 7309/872-24
- **Further information obtainable from:** R & D
- **Information in case of emergency:** Tel.: +49 (0) 6132-84436 (24 h)

### 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 84929-31-7	ethereal oil	Xn,	F; R 11-65	1-5%
EINECS: 284-515-8				

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

### 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash 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 a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
Foam  
Fire-extinguishing powder  
Carbon dioxide  
Sand  
Water haze
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

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· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

Sulphur dioxide (SO<sub>2</sub>)

· **Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

· **Additional information** Cool endangered receptacles with water spray.

### 6 Accidental release measures

· **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.

· **Measures for environmental protection:**

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Additional information:** No dangerous substances are released.

### 7 Handling and storage

· **Handling:**

· **Information for safe handling:** Keep receptacles tightly sealed.

· **Information about fire - and explosion protection:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.

Store only in unopened original receptacles.

· **Information about storage in one common storage facility:** Do not store together with oxidizing and acidic materials.

· **Further information about storage conditions:** None.

### 8 Exposure controls/personal protection

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

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing

· **Respiratory protection:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **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 trough 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**

<b>Form:</b>	Fluid
<b>Colour:</b>	Dark yellow
<b>Odour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

- **Flash point:** 200°C

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** 0.6 Vol %

**Upper:** 6.5 Vol %

- **Density at 20°C:** 0.888 g/cm<sup>3</sup>

- **Solubility in / Miscibility with**

**water:** Not miscible or difficult to mix.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Dangerous reactions**

Reacts with strong oxidizing agents.

Reacts with strong acids.

- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

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

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

· **General notes:**

The product may not be released into the environment without control. Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

### 13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.

· **European waste catalogue**

12 01 07 mineral-based machining oils free of halogens (except emulsions and solutions)

· **Uncleaned packaging:**

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

### 14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

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

### 15 Regulatory information

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

11 Highly flammable.

65 Harmful: may cause lung damage if swallowed.

· **Department issuing MSDS:** R & D

· **Contact:** R & D

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