

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC ÖL-VERBRAUCHSMINDERER**

Revision date: 11.01.2018

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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

Binding agent

**1.3. Details of the supplier of the safety data sheet**

Company name:	ROWE MINERALOELWERK GMBH	
Street:	Langgewann 101	
Place:	D-67547 Worms	
Telephone:	+49 (0)6241 5906-0	Telefax: +49 (0)6241 5906-999
e-mail:	info@rowe-mineraloel.com	
Internet:	www.rowe-mineraloel.com	
Responsible Department:	Kundenservice	

**1.4. Emergency telephone number:** Giftnotruf Mainz (DE; E) +49 (0)6131-19240**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****2.3. Other hazards**

This substance does not meet the criteria for classification as PBT or vPvB.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove affected person from the danger area and lay down. In case of irregular breathing or respiratory arrest provide artificial respiration. If unconscious place in recovery position and seek medical advice.

**After contact with skin**

Wash with plenty of water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

**After ingestion**

Get medical advice/attention. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

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

Frequently or prolonged contact with skin may cause dermal irritation. Frequent and prolonged eye contact may cause eye irritation.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

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**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.  
Carbon dioxide. Extinguishing powder. Water spray. alcohol resistant foam.

**5.2. Special hazards arising from the substance or mixture**

Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation of the storage area.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Provide for retaining containers, eg. floor pan without outflow. Keep container tightly closed.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

**Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Suitable gloves type: Viton®, penetration time (maximum wearing period): >4h

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of fire: Wear self-contained breathing apparatus.

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

Physical state:	liquid
Colour:	yellowgolden
Odour:	characteristic

**Test method**

pH-Value (at 20 °C):	5,5
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**Changes in the physical state**

Melting point:	-30 °C
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Flash point:	234 °C
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Lower explosion limits:	0,6 vol. %
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Upper explosion limits:	6,5 vol. %
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Vapour pressure:	<0,1 hPa
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Density:	0,88 g/cm <sup>3</sup>
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Water solubility:	insoluble
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**Solubility in other solvents**

Soluble in hydrocarbons

Viscosity / kinematic: (at 40 °C)	10-6 mm <sup>2</sup> /s	DIN EN ISO 3104
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**SECTION 10: Stability and reactivity**
**10.2. Chemical stability**

This product is stable under normal conditions. Hazardous reactions are unlikely.

**10.4. Conditions to avoid**

Keep away from sources of ignition. - No smoking.

**10.5. Incompatible materials**

Oxidizing agents, strong. Strong acid

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**ATEmix tested**

	Dose	Species	Source
LD50, dermal	>5000 mg/kg	Rat	

**Irritation and corrosivity**

In rare cases the product can cause temporary erythema of the skin.  
Conjunctival redness.

**Specific effects in experiment on an animal**

LD50: dermal. Rat &gt;5000mg/kg

LD50: dermal. Rabbit &gt;2000mg/kg

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information**
**12.1. Toxicity**

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Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **12.2. Persistence and degradability**

Product is partially biodegradable.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential

#### **12.4. Mobility in soil**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

#### **12.5. Results of PBT and vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

#### **Further information**

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Send to a physico-chemical treatment facility under observation of official regulations .

##### **Waste disposal number of waste from residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### **Waste disposal number of used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

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**Air transport (ICAO-TI/IATA-DGR)**

- 14.1. UN number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 2 - clearly water contaminating

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*