

according to Regulation (EC) No 1907/2006

**HIGHTEC VDL 100**

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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**

Kompressor-/ Verdichteröl; Compressor oil

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

|                         |                         |                               |
|-------------------------|-------------------------|-------------------------------|
| Company name:           | ROWE Mineralölwerk GmbH |                               |
| Street:                 | Langgewann 101          |                               |
| Place:                  | D-67547 Worms           |                               |
| Telephone:              | +49 (0)6241 5906-0      | Telefax: +49 (0)6241 5906-999 |
| e-mail:                 | info@rowe-oil.com       |                               |
| Internet:               | www.rowe-oil.com        |                               |
| Responsible Department: | sdb@rowe-oil.com        |                               |

**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**

Hazard categories:  
 Hazardous to the aquatic environment: Aquatic Chronic 3  
 Hazard Statements:  
 Harmful to aquatic life with long lasting effects.

**2.2. Label elements**
**Regulation (EC) No. 1272/2008**
**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

|      |  |
|------|--|
| P103 | Read carefully and follow all instructions.                                      |
| P273 | Avoid release to the environment.  |
| P501 | Dispose of contents/container to of the disposal according to local regulations. |

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous components**

| CAS No   | Chemical name   | Quantity    |
|----------|---|-------------|
|          | EC No   |             |
|          | Index No  |             |
|          | REACH No  |             |
|          | GHS Classification  |             |
| 128-39-2 | 2,6-di-tert-butylphenol   | 0.3 - < 1 % |
|          | 204-884-0   |             |
|          | 01-2119490822-33  |             |
|          | Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H315 H400 H410 |             |

Full text of H and EUH statements: see section 16.

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**Further Information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

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

**After ingestion**

Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

Treat symptomatically.

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

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

**5.3. Advice for firefighters**

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

**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**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

No special measures are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

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**Requirements for storage rooms and vessels**

Keep container tightly closed.

**Hints on joint storage**

No special measures are necessary.

**7.3. Specific end use(s)**

Kompressor-/ Verdichteröl; Compressor oil

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

**Eye/face protection**

Wear eye protection/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Use of protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|                 |                |
|-----------------|----------------|
| Physical state: | liquid         |
| Colour:         | brown          |
| Odour:          | characteristic |

|           |                |                                 |
|-----------|----------------|---------------------------------|
| pH-Value: | not applicable | <b>Test method</b><br>DIN 51369 |
|-----------|----------------|---------------------------------|

**Changes in the physical state**

|                               |                |
|-------------------------------|----------------|
| Melting point/freezing point: | not determined |
|-------------------------------|----------------|

|   |                |
|---|----------------|
| Boiling point or initial boiling point and boiling range: | not determined |
|---|----------------|

|             |          |              |
|-------------|----------|--------------|
| Pourpoint:: | ~ -18 °C | DIN ISO 3016 |
|-------------|----------|--------------|

|              |         |              |
|--------------|---------|--------------|
| Flash point: | >230 °C | DIN ISO 2592 |
|--------------|---------|--------------|

**Flammability**

|        |                |
|--------|----------------|
| Solid: | not applicable |
| Gas:   | not applicable |

**Explosive properties**

The product is not: Explosive.

|                         |                |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
|-------------------------|----------------|

|                         |                |
|-------------------------|----------------|
| Upper explosion limits: | not determined |
|-------------------------|----------------|

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|                            |                   |
|----------------------------|-------------------|
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | not determined    |

**Oxidizing properties**

The product is not: oxidising.

|                                |                      |
|--------------------------------|----------------------|
| Vapour pressure:<br>(at 20 °C) | >0,1 hPa calculated. |
|--------------------------------|----------------------|

|                     |                                     |
|---------------------|-------------------------------------|
| Density (at 15 °C): | ~ 0,867 g/cm <sup>3</sup> DIN 51757 |
|---------------------|-------------------------------------|

|                                 |                       |
|---------------------------------|-----------------------|
| Water solubility:<br>(at 20 °C) | practically insoluble |
|---------------------------------|-----------------------|

**Solubility in other solvents**

Soluble in hydrocarbons (mineral oil.)

|  |                |
|--|----------------|
| Partition coefficient n-octanol/water: | not determined |
|--|----------------|

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Viscosity / kinematic:<br>(at 40 °C) | ~ 93 mm <sup>2</sup> /s DIN 51562 |
|--------------------------------------|-----------------------------------|

|                          |                |
|--------------------------|----------------|
| Relative vapour density: | not determined |
|--------------------------|----------------|

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

|                          |                   |
|--------------------------|-------------------|
| Solvent separation test: | No data available |
|--------------------------|-------------------|

|                  |               |
|------------------|---------------|
| Solvent content: | none Solvents |
|------------------|---------------|

**9.2. Other information**

|                |                |
|----------------|----------------|
| Solid content: | not determined |
| none           |                |

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

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

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**Acute toxicity**

| CAS No   | Chemical name           |                   |         |        |        |
|----------|-------------------------|-------------------|---------|--------|--------|
|          | Exposure route          | Dose              | Species | Source | Method |
| 128-39-2 | 2,6-di-tert-butylphenol |                   |         |        |        |
|          | oral                    | LD50 >5000 mg/kg  | Rat     |        |        |
|          | dermal                  | LD50 >10000 mg/kg | Rabbit  |        |        |

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

Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

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

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

**List of Wastes Code - used product**

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic 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)**
**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.

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**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**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.

**Marine transport (IMDG)**

**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.

**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**
**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,16.

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 CLP: Classification, labelling and Packaging  
 REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 ICAO: International Civil Aviation Organization  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Aquatic Chronic 3; H412 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

H315 Causes skin irritation.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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