

**SAFETY DATA SHEET**  
VOLTRONIC 5W-50 MOTOROIL

Page 1  
Issued: 18.03.2008  
Revision No: 1

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** VOLTRONIC 5W-50 MOTOROIL  
**Use of substance / preparation:** Lubricant  
**Company name:** VOLTRONIC & ACT GmbH  
Weidenweg 12  
Bad Boll  
D-73087  
Germany  
Tel: +49 7164 4016  
Fax: +49 7164 5994  
Emergency tel: +49 7164 4016  
Email: info@voltronic-germany.com

**2. HAZARDS IDENTIFICATION**

**Main hazards:** No significant hazard.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** ALKYL-SALICYLAT DERIVATE 1-10%  
[Xi] R36/38; [-] R52/53

- BENZOLAMINE, N-PHENYL REAKTIONSPRODUKT MIT TRIMETHYLPENTEN <1%  
[N] R51/53
- ZNDTP 1-10%  
[Xi] R38; [Xi] R41; [N] R51/53

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be pain and redness.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.  
**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Wash out mouth with water. Consult a doctor.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

[cont...]

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

**Exposure hazards:** In combustion emits toxic fumes. In combustion emits toxic fumes of carbon monoxide. In combustion emits toxic fumes of sulphur oxides. In combustion emits toxic fumes of nitrogen oxides.

**Protection of fire-fighters:** Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

**Clean-up procedures:** Mix with sand or vermiculite. Refer to section 13 of SDS for suitable method of disposal.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Ensure storage room has retention walls. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Must only be kept in original packaging. Steel drums. Polyethylene.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure storage room has retention walls. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Hand protection:** Gloves (oil-resistant). Breakthrough time of the glove material > 4 hours.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Yellow-tan

**Odour:** Characteristic odour

**Solubility in water:** Insoluble

**Viscosity:** Oily

**Viscosity value:** 89

**Viscosity test method:** Kinematic viscosity in 10<sup>-6</sup> m<sup>2</sup>/s at 40°C (ISO 3104/3105)

**Boiling point/range°C:** 160

**Flammability limits %: lower:** 0,6

**upper:** 6,5  
**Flash point°C:** >200  
**Vapour pressure:** <0,1 hPa  
**Relative density:** 0,85

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat.  
**Materials to avoid:** Strong oxidising agents.  
**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Chronic toxicity:** Danger of cumulative effects through inhalation.  
**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Floats on water.  
**Persistence and degradability:** Only slightly biodegradable.  
**Bioaccumulative potential:** Bioaccumulation potential.  
**Other adverse effects:** Harmful to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are disposed of by means of any of the operations in this Annex (e.g. evaporation, drying, calcination, etc.).  
R8 Oil re-refining or other re-uses of oil.  
**Waste code number:** 54112  
**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** -  
**Shipping name:** "NOT SUBJECT TO ADR"

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

UN no: -

**15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Water hazard class:** 3 KBwS classification

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Risk phrases used in s.3:** R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.