

**Supplier**

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**1. Identification of the product and the company**

Identification of the product : Oily liquid.  
 Use : Automobile industry  
 Company identification : See producer or distributor.

**2. Hazards identification**

Symptoms relating to use  
 - Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
 - Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.  
 - Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.  
 - Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

**3. Information on ingredients**

This product is not considered to be hazardous but contains hazardous components, Directive 1999/45/EG.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>Zinc Dialkyl Dithiophosphate</u>	: 0.5 to 1.5 %	68649-42-3 / ---- / ----	Xi	36/38

**4. First aid measures**

First aid  
 - Inhalation : Not expected to require first aid measures.  
 - Skin contact : Wash skin thoroughly with mild soap and water.  
 - Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.  
 - Ingestion : DO NOT INDUCE VOMITING.  
 Rinse mouth.  
 Seek medical attention immediately.

**5. Fire - fighting measures**

Extinguishing media  
 - Suitable : Foam.  
 Dry chemical.  
 Carbon dioxide.  
 - Not to be used : Do not use a heavy water stream.  
 Surrounding fires : Use water spray or fog for cooling exposed containers.  
 Special exposure hazards : Under fire conditions, hazardous fumes will be present.  
 Protection against fire : Use self-contained breathing apparatus when in close proximity to fire.  
 Special procedures : Exercise caution when fighting any chemical fire.

**6. Accidental release measures**

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|-------------------------------|--|
| Personal precautions          | : Not applicable.  |
| Environmental precautions     | : Prevent entry to sewers and public waters.   |
| After spillage and/or leakage | : Spill area may be slippery. Dike for recovery or absorb with appropriate material. |
| - on soil                     | : May require excavation of contaminated soil.                                       |
| - on water                    | : Notify authorities if liquid enters sewers or public waters.                       |

**7. Handling and storage**

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|----------|--|
| General  | : No naked flames. No smoking.   |
| Storage  | : Store in dry, well-ventilated area.<br>Keep at temperature not exceeding 40°C  |
| Handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking or when leaving work. |

**8. Exposure controls / personal protection**

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|------------------------------|--|
| Personal protection          |  |
| - Respiratory protection     | : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.   |
| - Skin protection            | : No special clothing/skin protection equipment is recommended under normal conditions of use.   |
| - Eye protection             | : Goggles.   |
| - Ingestion                  | : When using, do not eat, drink or smoke.  |
| Industrial hygiene           | : No special protection required where adequate ventilation is maintained.   |
| Occupational Exposure Limits | : 5 mg/m <sup>3</sup> for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition). |

**9. Physical and chemical properties**

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|--|------------------------|
| Physical state                         | : Oily liquid.         |
| Colour                                 | : Yellow-brown.        |
| Odour                                  | : Oil.                 |
| pH value                               | : Not applicable.      |
| Density [g/dm <sup>3</sup> ]           | : ca 895               |
| Viscosity at 40°C [mm <sup>2</sup> /s] | : ca 190               |
| Solubility in water                    | : Negligible.          |
| Flash point [°C]                       | : > 200                |
| Auto-ignition temperature [°C]         | : No data available.   |
| Explosion limits (vol% in air)         | : LEL: 1.0<br>UEL: 6.0 |
| Log P octanol / water at 20°C          | : No data available.   |

**10. Stability and reactivity**

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|----------------------------------|---|
| Hazardous decomposition products | : None under normal conditions.         |
| Hazardous reactions              | : None under normal conditions.         |
| Hazardous properties             | : None under normal conditions.         |
| Materials to avoid               | : Strong oxidizers.<br>Acids.<br>Bases. |

## 11. Toxicological information

Inhalation	: Elevated temperatures or mechanical action may form vapours, mists, or fumes, which may be irritating to the nose, throat and lungs. Neglegible hazard at ambient/normal handling temperatues.
Skin contac	: Repeated or prolonged skin contact may cause irritation.
Eye contact	: Slightly irritant, does not damage eye tissue
Ingestion	: Low level of acute/systematic toxicity. Minute amounts aspirated into the lungs during ingestion or vomiting may cause severe pulmonary injury and death.

## 12. Ecological information

Persistence and degradability	: Not soluble in water, so only minimally biodegradable.
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## 13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.
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## 14. Transport information

General information	: Not regulated.
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## 15. Regulatory information

Symbol(s)	: None.
R Phrase(s)	: None.
S Phrase(s)	: None.

## 16. Other information

Text of R-Phrases in § 2	: R36/38 : Irritating to eyes and skin.
Further information	: Revision - See : *
Print date	: 28 / 8 / 2007

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