

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 distributor.

2. Information on ingredients

* This product is considered to be hazardous and contains hazardous components.

| Substance name | Value(s) | CAS nr / EINECS nr / EC index | Symbol(s) | R-Phrase(s) |
|--------------------------|------------------|-------------------------------|-----------|----------------------|
| Alkyl phosphate | : 0.28 to 0.55 % | ----- / ----- / ----- | C | 34 |
| Long chain alkenyl amine | : 0.06 to 0.28 % | ----- / ----- / ----- | C N | 35-50 |
| Long chain alkyl amine | : 0.28 to 0.55 % | ----- / ----- / ----- | T N | 23/24-48/20-43-50/53 |
| Methacrylate copolymer | : 7.8 to 10.8 % | ----- / ----- / ----- | Xi | 36 |

3. Hazards identification

* Environmental hazard : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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

Prevention : No smoking.

Extinguishing media : Foam.
Dry chemical.
Carbon dioxide.

Special procedures : Exercise caution when fighting any chemical fire.

6. Accidental release measures

- Personal precautions : No smoking.
After spillage and/or leakage : Spill area may be slippery. Dike for recovery or absorb with appropriate material. Use suitable disposal containers.

7. Handling and storage

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

8. Exposure controls / personal protection

- 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/m³ 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

- Physical state : Oily liquid.
Colour : Yellow-brown.
Odour : Typical
pH value : Not applicable.
Density [g/dm³]
Vapour density (101.3 kPa/air=1) : >12
Viscosity at 40°C [mm²/s] : 84
Solubility in water : Negligible.
Flash point [°C] (ASTM D 92) : >200
Auto-ignition temperature [°C] : No data available.
Explosion limits (vol% in air) : LEL: 1.0
UEL: 6.0
Log P octanol / water at 20°C : No data available.

10. Stability and reactivity

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

11. Toxicological information

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| Rat oral LD50 [mg/kg] | : No data available. |
| Inhalation | : Negligible hazard at ambient/normal handling temperatures. Elevated temperatures or mechanical action may form vapours, mists, or fumes, which may be irritating to the nose, throat and lungs. |
| Skin contact | : 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

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|----------------------------------|---|
| * Ecological effects information | : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| * Persistence and degradability | : Not soluble in water, so only minimally biodegradable. |

13. Disposal considerations

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

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| General information | : Not regulated. |
|---------------------|------------------|

15. Regulatory information

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|----------------|---|
| Symbol(s) | : None. |
| * R Phrase(s) | : R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| * S Phrase(s) | : S35 - This material and its container must be disposed of in a safe way. S57 - Use appropriate container to avoid environmental contamination. |
| Safety advises | : Contains : Long chain alkyl amine. May produce an allergic reaction. |

16. Other information

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| Text of R-Phrases in § 2 | : R23/24 - Toxic by inhalation and in contact with skin. R34 - Causes burns. R35 - Causes severe burns. R36 - Irritating to eyes. R43 - May cause sensitization by skin contact. R48/20 - Harmful : danger of serious damage to health by prolonged exposure through inhalation. R50 - Very toxic to aquatic organisms. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Further information | : Revision - See : * |
| Print date | : 5/4/2004 |

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