

ACD SELECT 80W90

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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)
<u>Alkyl phosphate</u>	: 0.22 to 0.44 %	----- / ----- / -----	C	34
<u>Long chain alkenyl amine</u>	: 0.04 to 0.22 %	----- / ----- / -----	C N	35-50
<u>Long chain alkyl amine</u>	: 0.22 to 0.44 %	----- / ----- / -----	T N	23/24-48/20-43-50/53
<u>Methacrylate copolymer</u>	: 0.3 to 0.6 %	----- / ----- / -----	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] : 896
Vapour density (101.3 kPa/air=1) : >12
Viscosity at 40°C [mm²/s] : 139
Solubility in water : Negligible.
Flash point [°C] (ASTM D 92) : >210
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

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

* 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

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)	: 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

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

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.

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