

Supplier

ACDelco Europe  
Paseo de la Castellana 91  
28040 Madrid  
fax; +34 91456 9288  
Anti-poison centre +32 (0)70 245 245

**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/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

- Physical state : Oily liquid.  
Colour : Yellow-brown.  
Odour : Typical  
pH value : Not applicable.  
Density [g/dm<sup>3</sup>]  
Vapour density (101.3 kPa/air=1) : >12  
Viscosity at 40°C [mm<sup>2</sup>/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**

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

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