



# MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 7 / 2 / 2006

Supersedes : 0 / 0 / 0

## Power Steering Fluid Max

IND-AL CO 07

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

**Trade name** : Power Steering Fluid Max.  
**Use** : Automatic Transmission Fluid  
**Company identification** : Gulf Oil Lubricants India Ltd.,  
IN Centre, 49/50, MIDC, 12th  
Road, Andheri (East),  
Mumbai -400 093

www.gulfoilltd.com

**Emergency phone nr** : +91 22 66487777  
**- Company** : As above

### 2 Hazards identification

**Main hazards** : Not specifically applicable.  
**Adverse human health effects** : None under normal conditions.  
**Environmental hazards** : No specific risk for the environment.

### 3 Information on ingredients

**Composition (preparation)** : Mixture of highly refined mineral ( less than 3% DMSO extract-IP 346) and additives. This product is not considered to be hazardous but contains hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	CERTIFICATE
Alkoxyated long chain alkyl amine	: 0.5 - 1.02 %	----	----	----	Xn; R22 C; R34 R43
Alkyl alkoxy amine	: < 0.06 %	----	----	----	C; R34 N; R50-53
Alkyl dithiothiadiazole	: < 0.03 %	----	----	----	R43
Methacrylate	: < 0.3 %	----	----	607-134-00-4	Xi; R36/37/38
<b>Other information</b>	: See headings 16 for full text of relevant R-phrases				

### 4. First aid measures

**- Inhalation** : Assure fresh air breathing. If you feel unwell, seek medical advice.  
**- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Never use kerosine or gasoline for cleaning the skin.  
**- Eye contact** : Rinse immediately with plenty of water. Seek medical attention if irritation develops.  
**- Ingestion** : DO NOT INDUCE VOMITING. Seek medical attention immediately.  
**General information** : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.



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### 5. Fire - fighting measures

- Flammable class** : Not classified by OSHA as flammable / NFPA RATINGS: H/0, F/1, R/0
- Suitable extinguishers** : Water fog. Carbon dioxide. Dry chemical. Foam. Sand.
- Extinguishers 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. See also hazardous reactions § 10.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. Accidental release measures

- Personal precautions** : Avoid all unnecessary exposure. Remove ignition sources. Avoid release to the environment. Refer to special instructions and/or Safety Data Sheets. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
- After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Spill area may be slippery.

### 7. Handling and storage

- General** : No naked lights. No smoking. Keep away from sources of ignition. For more information, refer to OSHA Standard 29 CFR 1910.106 or NFPA 77 or API Recommended Practice 2003
- Storage** : Keep only in the original container in a cool, well ventilated place. Keep at temperature not exceeding 45°C.
- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 8. Exposure controls / personal protection

- Personal protection**
- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
  - **Hand protection** : Use neoprene or rubber gloves.
  - **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
  - **Eye protection** : Safety glasses.
- Industrial hygiene** : Provide adequate ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke.
- Occupational Exposure Limits** : ACGIH 8 hour TLV-TWA : 5 mg/m<sup>3</sup> for oil mists. OSHA PEL-TWA: same value



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### 9. Physical and chemical properties

Appearance	: Oily liquid.
Colour	: Red
Odour	: Light odour of petroleum.
pH value	: Not applicable
Pour point [°C]	: -39
Density [kg/m <sup>3</sup> ]	: 870
Viscosity at 100°C [mm <sup>2</sup> /s]	: 7.2
Solubility in water [% weight]	: Insoluble
Flash point [°C]	: 210

### 10. Stability and reactivity

Physico-chemical stability	: Stable.
Conditions to avoid	: Temperature exceeding : Flashpoint.
Materials to avoid	: Oxidizing agents. Strong acids, bases.
Hazardous decomposition products	: Carbon dioxide. Carbon monoxide. Hydrogen sulfide.
Hazardous reactions	: None under normal conditions.

### 11. Toxicological information

Acute toxicity	
- Inhalation	: no data available
Sensitization	: No sensitization effects known.
Other toxicological information	: Not specifically applicable. See OSHA Hazard Communication Standard (29 CFR 1910,200)

### 12. Ecological information

Ecological effects information	
LC50-96 Hour - fish [mg/l]	: No data available
48 Hrs-EC50 - Daphnia magna [mg/l]	: No data available.
Persistence and degradability	: Minimally biodegradable.
Bioaccumulative potential	: Not determined.
WGK class (Germany)	: 1 : low hazard to waters
Mobility soil	: No data available.

### 13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.
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### 14. Transport information

**General information**

- ADR/RID : Not regulated.
- IMO-IMDG code : Not regulated
- ICAO/IATA : Not regulated

### 15. Regulatory information

**EC Labelling**

- Symbol(s)** : None.
- R Phrase(s)** : None
- S Phrase(s)** : S29 : Do not empty into drains. ; dispose of this material and its container in a safe way (S35).

**Special Labelling**

- : Contains : Tertiary alkyl amines and Alkyl thiadiazole May produce an allergic reaction.  
Material Safety Data Sheet available for professional users on request.

**Regul./ EINECS**

- : All components are in compliance with the EC Seventh amendment Directive 92/32/EEC

**SARA - USA**

- : Section 311 and 312 hazards classification(s) :

**US Toxic Substances Control Act - TSCA**

- : This product is listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

### 16. Other information

- R-phrases listed in chapter 2* : *R22 : Harmful if swallowed.*  
*R34 : Causes burns.*  
*R36/37/38 : Irritating to eyes, respiratory system and skin.*  
*R43 : May cause sensitization by skin contact.*  
*R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

**Further information**

- : CHEMICAL INVENTORIES:  
see country regulations.

**Revision Indicators**

- : None.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

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