



MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 21/5/2006

Supersedes : 0/0/0

Gulf ATF Type A**04104**

1. Identification of the product and the company

Trade name : Gulf ATF Type A
Use : Automatic Transmission Fluid
Company identification : Gulf Oil Corporation Limited, IN Centre, 12th Road, Marol, Andheri (East), Mumbai – 400 093
Emergency phone nr : +91 22 66487777
- Company : As Above

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	CERTIFICATE
Methacrylate copolymer	: 1 - 1.1 %	----	----	----	Xi; R36
Alkoxyated long chain alkyl amine	: < 0.15 %	----	----	----	Xn; R22 C; R34 R43
Allyl methacrylate	: < 0.1 %	96-05-9	----	----	Xi; R36/37/38 R43 N; R50-53
Alkyl alkoxy amine	: < 0.1 %	----	----	----	C; R34 N; R50-53
Long-chain alkyl dithiothiadiazole	: < 0.1 %	----	----	----	R43
Barium alkenyl carboxylate	: 1.2 - 2.5 %	----	272-497-4	----	Xn; R20/22
Zinc alkyl dithiophosphate	: 1.2 - 2.5 %	68649-42-3	272-028-3	----	Xi; R38 N; R51-53
Barium sulphonate	: < 1.25 %	----	263-140-3	----	Xn; R20/22 Xi; R38 R53

3. Hazards identification

Main hazards : Classified as a dangerous preparation according to 1999/45/EC.
Adverse human health effects : Not expected under normal conditions
Environmental hazards : Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment

4. First aid measures

- Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
- Skin contact : Wash with soap and water. Get medical attention if irritation occurs.
- Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- Ingestion : If affected person is fully conscious, give one glass of water to drink. Never give



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4. First aid measures (continued)

anything by mouth to an unconscious person. Get medical attention if symptoms appear.

5. Fire - fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
- Special exposure hazards** : None under normal conditions
- Special procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
- Environmental precautions** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways

7. Handling and storage

- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Handling** : Wash thoroughly after handling.

8. Exposure controls / personal protection

- Personal protection**
- **Respiratory protection** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
 - **Hand protection** : Use chemical resistant, impervious gloves.
 - **Skin protection** : Disposable outer garments when there is the potential for contact with the material.
 - **Eye protection** : Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
- Occupational Exposure Limits**
- **United Kingdom** : TWA: 5 mg/m³ - 8 hour(s).



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9. Physical and chemical properties

Physical state	: Liquid
Colour	: Red
Odour	: Mild
Pour point [°C]	: -39
Viscosity at 100°C [mm ² /s]	: 7.3
Flash point [°C]	: 176
Specific gravity	: 0.86

10. Stability and reactivity

Physico-chemical stability	: Stable
Conditions to avoid	: High temperatures, sparks, and open flames.
Materials to avoid	: Strong oxidizing and reducing agents.
Hazardous decomposition products	: These products are carbon oxides (CO, CO ₂). Some metallic oxides.

11. Toxicological information

Acute toxicity	
- Inhalation	: Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.
- Dermal	: Non-irritating to the skin.
- Ingestion	: Not determined.
Chronic toxicity	: Not expected to be toxic
Carcinogenicity	: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenicity	: Not expected to be a mutagenic hazard

12. Ecological information

Ecological effects information	: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Based on calculation. This product contains components which may be persistent in the environment.
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13. Disposal considerations

Disposal	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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14. Transport information

General information	: Not regulated
- UN No.	: Not regulated



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14. Transport information (continued)

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

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)** : S29/35 : Do not empty into drains ; dispose of this material and its container in a safe way.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. Other information

- R-phrases listed in chapter 2** : R20/22 : Harmful by inhalation and if swallowed.
R22 : Harmful if swallowed.
R34 : Causes burns.
R36 : Irritating to eyes.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R38 : Irritating to 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.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 : May cause long-term adverse effects in the aquatic environment.
- Product information** : For specific or detailed technical data for this product, please contact your local sales representative.
- Note** : To the best of our knowledge and belief, the information and recommendations provided in this MSDS are correct. We make no warranty whatsoever, expressed or implied of merchantability or fitness for the particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. We do not assume any liability for consequences of the uses of this information since it may be applied under conditions beyond our control or knowledge. The information is furnished on the condition that the recipients shall make their own decision as to safety and suitability of the material for their purposes. We will not be responsible for damages of any nature resulting from the use or reliance upon the information and recommendations. If you have purchased this product for supply to a third party, it is your duty to pass on to that third party the information given in this Data Sheet. If the third party is not an employer it is his duty to pass the information given in the Data Sheet to the employer of whoever uses or handles this product. It is an employer's duty to advise and instruct his employees handling this product (and others who may be affected) , of any hazards described in the Data Sheet and of any precautions which should be taken to ensure safe



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16. Other information (continued)

handling of the product.

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

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