MATERIAL SAFETY DATA SHEET

Gulf Gear TDL

03126

1. Identification of the product and the company

Trade name : Gulf Gear TDL (SAE 80W-90, SAE 85W-140)
Use : Total Driveline oil
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
Olefine sulphide	:	< 4.4 %	-----	-----	-----	R43 R53
Phosphoric acid ester amine salt	:	< 1.85 %	-----	-----	-----	N; R51-53
Alkyl sulphide	:	< 0.5 %	-----	203-493-2	-----	Xi; R38
Alkyl phosphate	:	< 0.5 %	-----	-----	-----	C; R34
Long chain alkenyl amine	:	< 0.5 %	-----	-----	-----	Xn; R22 C; R35 N; R50
Magnesium sulphonate	:	< 0.9 %	-----	296-721-5	-----	R53
Aryl thiophosphate	:	< 0.5 %	-----	-----	-----	R52-53
Alkyl phosphonate	:	< 0.9 %	-----	-----	-----	Xi; R38-41 N; R51-53
Alkyl dithiophosphate	:	< 0.95 %	-----	-----	-----	
Alkyl amine	:	< 0.5 %	-----	-----	-----	Xn; R22 C; R34 N; R50
Long-chain alkyl dithiothiadiazole	:	< 0.5 %	-----	-----	-----	R43

3. Hazards identification

Main hazards : Classified as a dangerous preparation according to 1999/45/EC.
Adverse human health effects : None under normal conditions.
Environmental hazards : Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Note : : May produce an allergic reaction

4. First aid measures

- Inhalation : Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped apply artificial respiration.
- Skin contact : Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse and discard shoes and other leather articles.
- Eye contact : Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
- Ingestion : DO NOT INDUCE VOMITING. If consious, give 2 glasses of water. Get immediate medical attention.
Note to physician : Treat symptomatically

5. Fire - fighting measures

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 : None under normal conditions.

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : None Identified

6. Accidental release measures

Personal precautions : Keep public away from danger area. Wear recommended personal protective equipment. 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. Collect spills and put it into appropriated container. Use suitable disposal containers. Recover the cleaning water for diposal. Spill area may be slippery.

- on soil : May require excavation of contaminated soil.

7. Handling and storage

General : No naked lights. No smoking. Keep away from sources of ignition.

Precautions in handling and storage : Handle in accordance with good industrial hygiene and safety procedures.

Storage : Keep container closed when not in use. 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 local exhaust or general room ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Occupational Exposure Limits : according to TWA (TLV) ACGIH : 3 mg/m³ for oil mist.

9. Physical and chemical properties

Physical state : Liquid

Colour : Amber

Odour : Pungent

Pour point [°C] : -27 to -12

Viscosity at 100°C [mm²/s] : 14.3 to 30.0

9. Physical and chemical properties (continued)

Flash point [°C]	: > 200
Specific gravity	: 0.9 - 0.9012

10. Stability and reactivity

Physico-chemical stability	: Stable.
Conditions to avoid	: Open flame. Sparks. Overheating.
Materials to avoid	: Oxidizing agents. Strong acids, bases.
Hazardous decomposition products	: Carbon dioxide. Carbon monoxide. Hydrogen sulfide.
Hazardous reactions	: None under normal conditions.
Hazardous Polymerization	: Will not occur.

11. Toxicological information

Acute toxicity	: Not expected to be toxic.
- Inhalation	: Practically non toxic at normal conditions of usage. May cause respiratory irritation following prolonged or repeated inhalation of excessive oil mist and vapours.
- Dermal	: Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
- Ingestion	: Practically non toxic if swallowed in small doses. Larger quantities may cause nausea & diarrhoea.
Carcinogenicity	: No data available.
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.
Bioaccumulative potential	: Not determined.
Mobility soil	: Ground water contamination may be caused through spillages

13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

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

15. Regulatory information (continued)

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.

Additional phrase(s) : Contains : - Olefine sulphide - Long-chain alkyl dithiothiadiazole. May produce an allergic reaction.

16. Other information

R-phrases listed in chapter 2 : R22 : Harmful if swallowed.
R34 : Causes burns.
R35 : Causes severe burns.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 : Harmful 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.

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