



MATERIAL SAFETY DATA SHEET

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Date : 30 / 8 / 2004

Supersedes : 0 / 0 / 0

Gulf Eskimo**16103**

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/ UNDERTAKING

Identification of substance or preparation : Gulf Eskimo (ISO VG 32, 46, 68)

Use of the substance/ preparation : Refrigeration Compressor Lubricant

Company/ undertaking identification : Gulf Oil Corporation Limited, IN Centre, 12th Road, Marol, Andheri (East), Mumbai - 400 093

Emergency telephone : +91 22 66487777

- Company : As above

2. HAZARDS IDENTIFICATION

Classification of the substance or preparation : Not a dangerous preparation according to 1999/45/EC.

Most important adverse human health effects : None under normal conditions.

Most important adverse environmental effects : No specific risk for the environment.

Symptoms relating to uses and possible misuses of the preparation

Other hazards : Used oils can get contaminated with refrigerant gases, some of which may be hazardous. Please see Section 13 of this MSDS

- 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.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

The product is not considered to be hazardous and does not contain hazardous components at or above regulated limits

Composition of the preparation : Highly refined mineral oil (PCA-content < 3%- IP 346)

4. FIRST AID MEASURES

- After inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.

- After contact with skin : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.

- After contact with eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops.

- After ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately.

Other 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

- Suitable extinguishing media** : Water fog. Carbon dioxide. Dry chemical. Foam. Sand.
- Extinguishing media which shall not be used** : Do not use a heavy water stream.
- Special exposure hazards** : Regular/ proper maintenance of compressors is essential as they may otherwise lead to a potential fire and explosion hazard. See also hazardous reactions § 10.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.
- Special protective equipment for fire-fighters** : Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).
- 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.
- Cleaning methods** : 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 disposal. 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 CONTROL/ PERSONAL PROTECTION

- Exposure limit values** : according to TWA (TLV) ACGIH : 3 mg/m³ for oil mist.
- Occupational exposure controls**
- Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Hand protection** : Use neoprene or rubber gloves.
- Eye protection** : Safety glasses.
- Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use. In case of possible repeated skin contact wear protective clothing.
- Specific hygiene measures** : 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.



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9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid.
- Colour : Amber.
- Odour : Mild.
- Pour point [°C] : < -39 deg C
- Viscosity at 40°C [mm²/s] : 32 to 68
- Flash point [°C] (ASTM D 92) : 170 min
- Specific gravity : 0.88 to 0.90
- Solubility in water : Insoluble.

10. STABILITY AND REACTIVITY

- Stability of the preparation : Stable under normal condition.
- Hazardous reactions : None under normal conditions.
- Conditions to avoid : Open flame. Sparks. Overheating.
- Materials to avoid : Oxidizing agents.
- Hazardous decomposition products : Carbon dioxide. Carbon monoxide.
- Hazardous Polymerization : Will not occur.

11. TOXICOLOGICAL INFORMATION

- Acute Effects : 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.
- Ingestion : Practically non toxic if swallowed in small doses. Larger quantities may cause nausea & diarrhoea.
- Skin contact : Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
- Eye Contact : Repeated exposure may cause a slight irritation.
- Sensitization : No sensitization effects known.
- Chronic/ other effects : Not expected to be toxic.
- Carcinogenicity : No data available. The ingredients used in this preparation have not been listed in the US National Toxicology Program (NTP) nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.
- Mutagenicity : Not expected to be a mutagenic hazard

12. ECOLOGICAL INFORMATION

- Ecological effects information : Adverse effects to the environment are not expected from this product
- Mobility : Ground water contamination may be caused through spillages
- Persistence and degradability : Inherently Biodegradable



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12. ECOLOGICAL INFORMATION (continued)

Bioaccumulative potential : Not determined.

13. DISPOSAL CONSIDERATIONS

Waste disposal : Dispose in a safe manner in accordance with local/national regulations. Used Oils- Used oils contaminated with refrigerant gases which are hazardous may require require specific disposal precautions. The MSDS of the gas concerned can be referred to for details in this regard.

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

EC Labelling : Not classified.**Regul./ EINECS** : All components are in compliance with the EC Seventh amendment Directive 92/ 32/EEC**Canada** : In compliance (DSL)**SARA - USA** : Section 311 and 312 hazards classification(s) : None**US Toxic Substances Control Act - TSCA** : In compliance**Australian Inventory of Chemical Substances (AICS)** : In compliance**OSHA hazardous chemical(s)** : Not classified as hazardous in accordance with OSHA 29 CFR 1910.1200

16. OTHER INFORMATION

Further 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

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16. OTHER INFORMATION (continued)

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 handling of the product.

17. Packing

Type of packing

For the Anti-poison Center indicate all the components including the non dangerous ones to obtain (when possible) a total of 100 %.

Responsible for placing on the market : See distributor.

Capacity

Label

First placing on the market : No data available.

The contents and format of this MSDS are in accordance with Regulation (EC) Np 1907/2006 of the European Parliament and of the Council.

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