



MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 7 / 2 / 2006

Supersedes : 0 / 0 / 0

Crown Max RR3**IND-AL CO 10**

1. Identification of the product and the company

Trade name : Crown Max RR3. (NLGI 3)
Use : Lubricating Grease
Company identification : Gulf Oil Corporation Limited,
IN Centre,
12th Road,
Marol, Andheri (East)
Mumbai - 400 093

www.gulfoilltd.com
Emergency phone nr : +91 22 66487777
- Company : As above

2 Hazards identification

Main hazards : Not a dangerous preparation according to 1999/45/EC.
Adverse human health effects : None under normal conditions.
Environmental hazards : No specific risk for the 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.
Note : : Handle material in pressure equipment with care. Accidental injection can cause serious tissue damage. Please refer to Section 4 (First Aid Measures) of this Safety Data Sheet.

3 Information on ingredients

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

Composition (preparation) : Highly refined mineral base oils (PCA-content < 3% -IP 346), Soap thickener and performance additives.

4. First aid measures

- Inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
- Skin contact : 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.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention if irritation develops.
- Ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately.
Note to physician : Treat symptomatically.
General information : High Pressure Applications : Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once



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4. First aid measures (continued)

should an accident like this occur. The initial wound at the injection site may not appear

Requires immediate treatment at a surgical emergency center; else disfigurement or amputation of the affected part may occur.

Treatment may include 1) surgical decompression, debridement and drainage, 2) broad-spectrum antibiotic and 3) anti-inflammatory

5. Fire - fighting measures

- Suitable extinguishers** : Water fog. Carbon dioxide. Dry chemical. Foam.
- 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. See also hazardous reactions § 10.
- 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** : Sweep or shovel spills into appropriate container for disposal. Cover spill area with oil adsorbent. Spill area may be slippery.
- on soil** : May require excavation of contaminated soil.

7. Handling and storage

- General** : No naked lights. No smoking. Direct sunlight and heat sources to be avoided. 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. In case of possible repeated skin contact wear protective clothing.
 - **Eye protection** : Safety glasses.



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8. Exposure controls / personal protection (continued)

- 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** : None established

9. Physical and chemical properties

- Physical state** : Semi-Solid
- Colour** : Yellow-brown.
- Odour** : Mild.
- Dropping point [°C]** : > 175 deg C
- Solubility in water** : Negligible.

10. Stability and reactivity

- Physico-chemical stability** : Stable.
- Conditions to avoid** : Open flame. Direct sunlight. Overheating.
- Materials to avoid** : Oxidizing agents.
- Hazardous decomposition products** : Carbon dioxide. Carbon monoxide.
- 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.
- Ocular** : Repeated exposure may cause a slight irritation.
- Ingestion** : Practically non toxic if ingested in small doses. Larger quantities may cause nausea and diarrhoea.
- Chronic toxicity** : Not expected to be toxic.
- Sensitization** : No sensitization effects known.
- 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



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12. Ecological information

Ecological effects information	: Adverse effects to the environment are not expected from this product
Persistence and degradability	: Inherently Biodegradable
Bioaccumulative potential	: Not determined.
Mobility soil	: No data available.

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.
- 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

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

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Crown Max RR3**IND-AL CO 10****16. Other information (continued)**

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.

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

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