



MATERIAL SAFETY DATA SHEET

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Date : 3 / 10 / 2008

Supersedes : 0 / 0 / 0

Gulf No Rust ST**24117**

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

Identification of substance or preparation : Gulf No Rust ST
Use of the substance/ preparation : Rust Preventive
Company/ undertaking identification : Gulf Oil Corporation Limited, IN Centre, 12th Road, Marol, Andheri (East), Mumbai - 400 093
Emergency telephone : +91 22 66487777

2. HAZARDS IDENTIFICATION

Classification of the substance or preparation : Dangerous Preparation according to EC Directive 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

- **Inhalation** : Vapours may cause drowsiness and dizziness.
- **Skin contact** : Initial moderate skin irritation.
- **Eye contact** : Contact with the eyes is likely to be irritating.
- **Ingestion** : Harmful : may cause lung damage if swallowed.

3. COMPOSITION/ 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
Naphta heavy (low boiling point hydrogen treated)	: 50 - 100 %	64742-48-9	265-150-3	649-327-00-6	R10 Xn; R65 R66
Calcium sulphonate	: 0.1 - 1 %	68783-96-0	272-213-9	-----	R53

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. Wash skin with mild soap and water. 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. Treat symptomatically.



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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** : Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. See also hazardous reactions § 10. May form flammable vapour-air mixture.
- 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. Remove ignition sources.
- 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 away from sources of ignition. Keep only in the original container in a cool, well ventilated place. Keep at temperature not exceeding 45°C.
- Handling** : Avoid all unnecessary exposure. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Storage - away from** : Oxidizing agents. Heat.

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.



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8. EXPOSURE CONTROL/ PERSONAL PROTECTION (continued)

- **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.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state** : Liquid.
- **Colour** : Amber.
- **Odour** : Mild.
- **Pour point [°C]** : -54
- **Initial boiling point [°C]** : 179
- **Density** : 0.75
- **Viscosity at 20°C [mPa.s]** : 2.7
- **Flash point [°C]** : 66
- **Solubility in water** : Negligible.
Explosion limits - lower [%] : 0.7
Explosion limits - upper [%] : 6

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. Strong acids, bases.
Hazardous decomposition products : Carbon dioxide. Carbon monoxide. Hydrogen sulfide.
Hazardous Polymerization : Will not occur.

11. TOXICOLOGICAL INFORMATION

- Acute Effects** : Not expected to be toxic.
- **Inhalation** : Practically Non Toxic
- **Ingestion** : Harmful if swallowed. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal
- **Skin contact** : Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
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 found to promote causes of skin tumor under repeated exposure in experimental animals. The significance of this finding to humans is unknown.
- **Mutagenicity** : Not expected to be a mutagenic hazard



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11. TOXICOLOGICAL INFORMATION (continued)

Eyes irritation (rabbit) : Non Irritating

12. ECOLOGICAL INFORMATION

Ecological effects information : Floats on water. 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

Bioaccumulative potential : low Has potential to bioaccumulate

LC50-96 Hour - fish [mg/l] : >1000

IC50 72h Algae [mg/l] : >1000

13. DISPOSAL CONSIDERATIONS

Waste disposal : Avoid release to the environment. WHEN TOTALLY EMPTY, containers are recyclable like any other packing. Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information : Not regulated.

- UN No. : Not regulated

- IMO-IMDG code : Packaging group: - III

- ICAO/IATA : Packaging group: - III

15. REGULATORY INFORMATION

EC Labelling : Not classified.

Symbol(s) : Harmful.

R Phrase(s) : R65 : Harmful : may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.S Phrase(s) : S23 : Do not breathe spray.
S35 : This material and its container must be disposed of in a safe way.
S37 : Wear suitable gloves.
S51 : Use only in well-ventilated areas.
S59 : Refer to manufacturer/supplier for information on recovery/recycling.
S62 : If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

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



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15. REGULATORY INFORMATION (continued)

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

List of relevant R phrases contained in sections 2 and 3 of this document (for information only). : R10 : Flammable.
R53 : May cause long-term adverse effects in the aquatic environment.
R65 : Harmful : may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.

Further information : For specific or detailed technical data for this product, please contact your local sales representative.

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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