petrogulf® marine

Materials Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Petrogulf Marine MDO
Product Use: Marine MDO
Manufacturer: Petrogulf Oil Manufacturing LLC
Address: P.O. Box 30399, New Industrial Area, Ajman, U.A.E.
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Email: info@pglube.com
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HAZARD IDENTIFICATION

Classification (GHS): Not classified as hazardous under GHS
Signal Word: None
Hazard Pictograms: None
Hazard Statements: Not considered hazardous under normal use
Precautionary Statements: Avoid prolonged contact with skin and eyes. Use good industrial hygiene practices.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	% by weight
Zinc alkyl dithiophosphate	68649-42-3	0.5 - 0.75%
Calcium long chain alkyl sulphonate	-	1.3 - 1.9%
HOB Calcium Branched chain alkyl-phenate Sulphide	-	0.8 - 13%
Polyolefine polyamine succinimide	-	<0.5%
Branched alkylphenol & Calcium branched alkylphenol	-	<0.15%

FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact: Wash with soap and water. Remove contaminated clothing.
Eye Contact: Rinse cautiously with water for several minutes. Seek medical attention if irritation occurs.
Ingestion: Do NOT induce vomiting. Rinse mouth. Seek medical advice.

FIRE-FIGHTING MEASURES

Flash Point: >220°C (ASTM D92)
Extinguishing Media: Foam, CO_2, dry chemical, water mist
Special Hazards: May emit toxic fumes if burned (CO, CO_2, SOx)
Protective Equipment: Firefighters should wear full protective gear and self-contained breathing apparatus

ACCIDENTAL RELEASE MEASURES

- Avoid contact with skin and eyes.
- Prevent entry into drains or watercourses.
- Soak up with inert absorbent material (e.g., sand).
- Place in a suitable container for disposal.

HANDLING AND STORAGE

- **Handling:** Use in well-ventilated areas. Avoid repeated or prolonged contact with skin.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated area away from direct sunlight or ignition sources.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Ensure adequate ventilation
Eye Protection	Safety goggles if splashing possible
Skin Protection	Protective gloves and overalls
Respiratory Protection	Not normally required under normal use
Hygiene Measures	Wash hands thoroughly after handling

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Amber
Odor	Mild
Pour Point, °C	-18
Flash Point, °C	230-240
Viscosity @ 100°C, cSt	11.0-19
Density @ 15°C, Kg/L	0.887-0.916

STABILITY AND REACTIVITY

- Stability: Stable under normal use and storage conditions.
- Conditions to Avoid: Excessive heat, ignition sources.
- Incompatible Materials: Strong oxidizing agents.
- Hazardous Decomposition Products: CO, CO_2, aldehydes, and sulphur oxides during combustion.

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TOXICOLOGICAL INFORMATION

Toxicity Low toxicity; not expected to cause acute health effects
Skin Irritation Prolonged/repeated contact may cause mild irritation
Eye Irritation May cause temporary irritation
Sensitization Not known to cause sensitization
Chronic Effects No known long-term hazards under normal use

ECOLOGICAL INFORMATION

- **Biodegradability:** Expected to be inherently biodegradable
- **Aquatic Toxicity:** Avoid release to watercourses
- **Persistence:** Contains components that may persist in the environment

DISPOSAL CONSIDERATIONS

- Dispose of in accordance with local and national regulations.
- Do not pour into drains, water bodies, or soil.
- Used oil should be taken to an authorized waste oil collection site.

TRANSPORT INFORMATION

UN Number Not regulated
IMO/IMDG Not classified as dangerous
ADR/RID Not regulated
IATA Not regulated

REGULATORY INFORMATION

- This product is not classified as hazardous under current GHS, EU CLP, or OSHA regulations.
- Not subject to mandatory hazard labeling under GHS.

OTHER INFORMATION

- This MSDS has been prepared according to GHS standards.
- The information presented is believed to be accurate at the time of issue and is intended for guidance only.