

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT IDENTITY:

Petrogulf Marine TPEO MDO (3012, 3015, 3020, 4012, 4015 , 4020)

COMPANY INFORMATION

PetroGulf Oil Manufacturing L.L.C.

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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
Zinc alkyl dithiophosphate	0.5 - 0.75 %	68649-42-3		
Calcium long chain alkyl sulphonate	1.3 – 1.9 %			
HOB Calcium Branched chain alkylphenate Sulphide	0.8 – 1.3 %			
Polyolefine polyamine succinimide	<0.5 %			
Branched alkylphenol and Calcium branched alkylphenol	< 0.15 %			

3. HAZARDS IDENTIFICATION

Main hazards

Not classified as a dangerous preparations according to 1999/45 EC.

Adverse human health affects

None under normal conditions

Environmental hazards

No specific risk for the environment

4. FIRST AID MEASURES

First aid

Assure fresh air breathing. If you feel unwell, seek medical advice.

Inhalation

Remove affected clothing and wash all exposed skin area with mild soap and water.

Skin contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Eye contact

Do not induce vomiting. Seek medical attention immediately.

Ingestion

If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.

General information

Extinguishing media

5. FIRE FIGHTING MEASURES

Suitable extinguishers	Water fog. Dry chemical. Carbon dioxide. Alcohol 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	Under fire conditions, hazardous fumes will be present.
Protection against fire	Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution Remove ignition sources. Avoid all unnecessary exposure. Equip cleanup crew with proper protection.

Environmental precautions Notify authorities if liquid enters sewers or public Waters. Prevent entry to sewers and public

After spillage and/or leakage Spill area may be slippery. Use suitable disposal containers. Clean up any spills as soon as possible, using an absorbent material to collect it.

7. HANDLING AND STORAGE

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

Storage 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 When using, do not eat, drink or smoke.

Occupational Exposure Limits Provide adequate ventilation to minimize dust and/or vapor concentrations. ACGIH 8 hour TLV-TWA : 5 mg/m³ for oil mist.

9. Physical and chemical properties

Physical State	Liquid
Colour	Amber
Odor	Mild
Pour Point (°C)	- 18
Flash point	232 - 244
Viscosity	Kinematic: 11.1 to 14.3 @ 100°C
Density	0.8919 to 0.915

10. Stability and reactivity

Physical-chemical stability	Stable.
Conditions to avoid	Open flame. Sparks. Overheating
Materials to avoid	Oxidizing agents.
Hazardous decomposition Products	Carbon Dioxide. Carbon Monoxide. Hydrogen Sulfide.
Hazardous reactions	None under normal conditions.

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 vapors
Dermal	Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
Other toxicological information	No appropriate human or animal health effects data are known to exist.
Ingestion	Practically non toxic if swallowed in small doses. Larger quantities may cause nausea & diarrhea.

12. Ecological information

Ecological effects information	Adverse effects to the environment are not expected from this product.
Bio-accumulative potential	not determined.
Mobility Soil	Ground water contamination may be cause 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. ADR/RID	Not regulated.

IMO-IMDG code Not regulated.

ICAO/IATA Not regulated.

15. REGULATORY INFORMATION

Acute Health	None
Chronic Health	None
Fire Hazard	None
Pressure Hazard	None
Reactive Hazard	None

16. OTHER INFORMATION

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