

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT IDENTITY:

Petrogulf Marine TPEO 3030, 3040, 4030, 4040, 4055

PetroGulf Oil Manufacturing LLC
 P. O. BOX 30399, Ajman
 United Arab Emirates
 Phone +971-6-7433099 Fax +971-6-7433094

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.
 Composition (preparation): Mixture of Mineral base stocks & performance additives.

Substance name	Value (s)	CAS nr	EINECS nr	EC index
Zinc alkyl dithiophosphate	0.5 - 0.75 %	68649-42-3		
Benzoic acid, hydroxy-, mono-C20-28 branched alkyl derivs., calcium salts (2:1)	2.0 - 5.0 %	900185-23-1		
Calcium long chain alkylphenol	0.4 - 0.8 %			
Long chain alkylphenol	0.3 - 0.6 %			
Polyolefine polyamine succinimide	0.2 - 0.4 %			

3. HAZARDS IDENTIFICATION

Main hazards Not a dangerous preparation.
Adverse human health affects None under normal conditions.
Environmental hazards No specific risk for the environment.

4. FIRST-AID MEASURES

First aid

Inhalation

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

Skin contact

Never use kerosene or gasoline for cleaning the skin. Wash skin thoroughly with mild soap and water.

Eye contact

Remove contaminated clothing and shoes.

Ingestion

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

General information

Do not induce vomiting. Seek medical attention immediately.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media

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 deg C.

Handling Wash hands and other exposed areas with mild soap and water before eating, drinking 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

Colour Dark

Flash point >225°C (Closed cup)

Viscosity Kinematic: 10.2-15.5 mm²/s at 100°C

Density 899-925 kg/m³ (0.899-0.925 g/cm³) at 15°C

Solubility Insoluble in water.

10. STABILITY AND REACTIVITY

Physical-chemical stability Stable. Avoid extreme heat and high energy sources of ignition.

Conditions to avoid Extremely high or low temperatures.

Materials to avoid Oxidizing agents.

Hazardous decomposition None under normal conditions.

Products

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 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Bio-accumulative potential not determined.

Persistence and degradability Minimally biodegradable.

Mobility soil Spillages may penetrate the soil causing ground water contamination.

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

CERCLA Reportable Quantity: Not known

Acute Health None

Chronic Health None

Fire Hazard None

Pressure Hazard None

Reactive Hazard None

16. OTHER INFORMATION

PETROGULF OIL MANUFACTURING, LLC. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by **PETROGULF OIL MANUFACTURING, LLC** as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does **PETROGULF OIL MANUFACTURING, LLC** assume liability arising out of the use by others.