

1. Identification of the Product and the Company

Product identity:

Petrogulf Marine Power X 15W40

(Diesel Engine Oil SAE 15W40 API CH4)

Company information

PetroGulf Oil Manufacturing L.L.C

P. O. BOX 30399, Ajman

United Arab Emirates

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2. Composition/Ingredients

This product is considered to be hazardous and contains hazardous components.

Composition (preparation)	additives.	
	Value (s)	CAS nr
Substance name		
Zinc alkyl dithiophosphate	0.7 - 1.5 %	68649-42-3
Olefine sulphide	< 0.8 %	
Alkyl phenol	< 0.15 %	
Substituted thiadiazol	< 0.15 %	
Polyolefin polyamine succinimide, polyol	< 3.3 %	
HOB Calcium branched chain alkyl phenate sulphide	<1.3 %	
Polyolefin polyamine succinimide, molybdenum complex	<0.15 %	
Calcium long chain alkaryl sulphonate	<0.6 %	

3. Hazard Identification

Main hazards Classified as a dangerous preparation according to Directive 1999/45/EC.

Adverse human health affects None under normal conditions.

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

Note May produce an allergic reaction.

4. First Aid Measures

Eyes Rinse immediately with plenty of water. Seek medical attention if irritation develops.

Skin 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.

Ingestion DO NOT INDUCE VOMITING. Seek medical attention immediately.

Inhalation Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.

5. Fire Fighting Measures

Ignition Temp. (°C) : Not Determined

Flammable Limits (% by volume) : Not Determined

Flash Point (°C) : >205 (COC)

Fire Extinguishing Agents – According to the U.S. National Fire Protection Association Guide, use water fog, dries chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

Explosion Hazards – For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

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 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.

7. Handling & Storage – Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

Misuse of empty containers can be hazardous. DO NOT cut, weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

8. Exposure Controls /Personal Protection

Control Measures Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene Measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Eyes No special eye protection is usually necessary.

Safety glasses, chemical type goggles, or face shield appropriate where splashing or misting is expected during routine operations or spill clean-up.

Skin Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

Inhalation Respiratory protection is normally not required. However, if operating conditions create airborne concentrations, which exceed the recommended exposure standard(s), the use of an approved respirator is recommended.

Wear approved respiratory protection such as a toxic dust, mist and fume respirator.

9. Physical and Chemical Properties

Note: The following data may represent a range of approximate or typical values for products in the same family. Precise technical information is provided in Product Bulletins and can be obtained from your Marketing Representative.

Physical state	: Liquid
Flash Point (°C)	: >205
Density (kg/l @ 15°C)	: 0.877 – 0.890
Viscosity Kinematic@100°C	: 12.5-16.3 mm ² /s @ 100 °C
Pour Point, °C	: - 27 Max

10. Stability & Reactivity Data

Stability and reactivity The product is stable.

Possibility of hazardous Reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid Avoid all possible sources of ignition (spark or flame)

Incompatibility with Various substances Reactive or incompatible with the following materials: Oxidizing materials

Hazardous decomposition Products Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

Hazardous polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Other Toxicity Data USED ENGINE OILS
Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.

Potential chronic health effects

Carcinogenicity No known significant effects or critical hazards.

12. Ecological Information

Environmental Effects – No specific ecotoxicity data on this product are available.

This material may present environmental risks common to oil spills.

13. Disposal Considerations

Waste Disposal – Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

Remarks: This material may present environment risks common to oil spills.

14. Transport Information

Transport of Non-Dangerous Goods:

UN Number : Not Applicable
Dangerous Goods : Not Applicable
Proper Shipping Name: Not Applicable

Additional Information: None Determined

The product is not classified as hazardous according to regulations for hazardous materials transport by land (RID, ADR), by sea (IMDG) and by air (ICAO/IATA)

15. Regulatory Information Classification

PACKAGING LABELING

Warning Symbols : Not required

Risk phrases (R) : Not required

Safety phrases(S) : Not required

Despite the fact that the engine oil is not classified as hazardous it is recommended to abide the following precautionary measures:

S29/35 Do not empty into drains; dispose of this product and its container in a safe way.

Hazardous Component: Unspecified Engine Oil

16. OTHER INFORMATION

To the best of our knowledge, the information provided in this MSDS document is correct. We do not assume any liability for consequences of the use of this information since it may be applied under conditions beyond our control or knowledge. Also, it is possible that additional data could be made available after this MSDS was issued.

Certain hazards are described herein; however these may not be the only hazards that exist. All materials may present unknown hazards and should be used with caution.

Customers are encouraged to review this information, follow precautions, and comply with all applicable laws and regulations regarding the used and disposal of this product. For specific technical data or advice, concerning this product as supplied in your country please contact your local sales representative. The final determination of the suitability of any material is the sole responsibility of the user.