

**1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY .1**

**Product identity:**

Petrogulf Synthetic Gear Oil (220, 320)

Company information

PETROGULF OIL MANUFACTURING LLC  
 P. O. BOX 30399, Ajman  
 United Arab Emirates  
 Phone +971-6-7433099 Fax +971-6-7433094

**2. HAZARDS IDENTIFICATION**

**Warning Statements** – No significant hazard

**Eyes** – Expected to cause no more than minor eye irritation.

**Oral** – If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

**Inhalation** – Breathing the vapor or mist may cause respiratory irritation, discomfort or other pulmonary effects.

**Skin** – Expected to cause no more than minor skin irritation.

Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material.

May cause skin discoloration following prolonged or repeated contact.

**Long Terms Toxic Effects** – The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects.

See Section 11 for additional information.

**3. COMPOSITION / INGREDIENTS**

This product is not considered to be hazardous but contains hazardous components.					
Substance name	Value(s)	CAS No.	EC No.	Symbol(s)	CERTIFICATE
Long Chain alkyl amine	<0.2%			T,N	R22, R23/25, R34, R43, R48/23, R50
Alkyl Phosphonate	<0.2%	--		Xi,N	R-38,R41, R51/53

**4. FIRST AID MEASURES**

**Eyes** – Flush eyes immediately with fresh water for several minutes while holding the eyelids open.

If irritation persists, see a doctor.

**Skin** – Wash skin thoroughly with soap and water.

If skin irritation persists or a rash develops as a result of excessive contact, see a doctor.  
Launder contaminated clothing.

**Ingestion** – If swallowed and person is conscious, give water or milk. DO NOT make person vomit except on advice of medical personnel. If advice cannot be obtained, take person with container and label to nearest emergency treatment center. Never give anything by mouth to an unconscious person.

**Inhalation** – If respiratory irritation or any signs or symptoms as described in this MSDS occur, move the person to fresh air. If any these effect continue, see a doctor.

## 5. FIRE FIGHTING

**MEASURES Ignition Temp.** : Not Determined

**(Degrees C)**

**Flammable Limits (% by volume)** : Not Determined

**Flash Point (Degrees C)** : >210 (COC)

**Fire Extinguishing Agents** – According to the U.S. National Fire Protection Association Guide, use water fog, dry 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 vapours 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

**In case of Spill** – Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing as discussed in this MSDS. Cover spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent a water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container. Prevent contamination of ground water or surface water.

**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 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 cleanup.

**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**

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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.

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Appearance & Color	: Liquid, Yellow to Amber
Pour Point (°C)	: -30 to -36
Density (kg/l @ 15°C)	: 0.850 – 0.865
Viscosity @40 °C	: 218 - 320
Flash Point (°C)	: > 220 (open cup)

## **10. STABILITY & REACTIVITY DATA**

**Hazardous Polymerization's – DO NOT**

OCCUR

**Product of Combustion** - Carbon Monoxide, carbon dioxide, and aldehydes and ketones, combustion products of nitrogen or sulfur.

**Condition to Avoid** – Strong Oxidizers such as chlorates, nitrates, peroxides, etc.

## **11. TOXICOLOGICAL INFORMATION**

**General** – This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, hydrocracking and hydrotreating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

## **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 LABELLING

**Warning Symbols** : Not required  
**Risk phrases (R)** : Not required  
**Safety phrases(S)** : Not required

Despite the fact that the engine oil are 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 exists. All I 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.



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## Material Safety Data Sheet

Petrogulf



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