

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product identity:

Petrogulf Hydraulic Oil HVI (15,22,32,46,68,100,150)

Company information

PetroGulf Oil Manufacturing L.L.C
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2. HAZARD IDENTIFICATION

Hazard Classified as Non-Hazardous

Classification Not classified as Dangerous Goods, according to the Local/National Code for the Transport of Dangerous Goods by Road & Rail.

Risk Phrase(s) R43 May cause sensitization by skin contact.

Safety Phrase(s) S24/25 Avoid contact with skin and eyes.

S28 After contact with skin, wash immediately with plenty of soap and water.

S37 Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Name	CAS Number	Proportion (%)
Mineral Base Oil	64742-65-0	40% - 100%
Additives determined not to be hazardous	N/A	Balance

4. FIRST AID MEASURES

Inhalation: Remove person from source of contamination. Apply artificial respiration if person not breathing. If symptoms develop seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

Skin: Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye: If contact with the eyes, wash immediately with copious amounts of water. If symptoms persist seek medical treatment.

First Aid Facilities: Eye wash and normal wash room facilities.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use carbon dioxide, dry chemical, and foam or water mist.

Hazards from Combustion Products: Combustible liquid. This product will burn if exposed to fire.

Special Protection Equipment: Fire-fighters should wear full protective clothing and self contained breathing apparatus in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Personnel to wear appropriate personal protective equipment and clothing to minimize exposure. Remove all sources of ignition. Stop leaks where safe to do so. Ventilate area. Use inert absorbent material on spillage to avoid spillage from entering drains or waterways. Use non sparking tools to collect material, and place in labeled containers. Dispose of waste materials in accordance with local and national regulations. If spillage enters waterways contact the Environmental Protection Authority or local water authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Use in a well ventilated area. Wear appropriate protective equipment and clothing to avoid inhalation of fumes or mist, contact with skin and eyes. Containers not in use should be closed. Do not smoke. Always wash hands after handling and prior to eating, drinking, smoking or using the toilet.

Conditions for Safe Storage: Store in a cool, well ventilated area away from heat and other sources of ignition, oxidizing agents, foodstuffs, and out of direct sunlight. Keep containers securely sealed and protect against damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard has been established, however, the TWA National Occupational Health and Safety Commission exposure standard for oil mist is 5 mg/m³. As with all chemicals, exposure should be kept to the lowest possible level.

Engineering Controls: Use in well ventilated areas. Where ventilation is inadequate, a local exhaust ventilation system is required.

Eye Protection: Safety glasses with side shields, goggles or full face mask as appropriate. Individual circumstances will dictate the final choice of protection.

Hand Protection: Use gloves of an impervious nature. Individual circumstances will dictate the final choice of protection.

Body Protection: Suitable protective clothing to protect areas of possible exposure from splashing.

Respiratory Protection: Normally not required, however if mists or vapors are generated in a poorly ventilated area an approved respirator with a replaceable vapor/mist filter is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous amber liquid
Melting Point	Not available
Boiling Point	Not available
Vapor Pressure	Not available
Solubility in Water	Not available
pH Value	Insoluble
Viscosity @ 40°C	12.56-155.38 cSt
Specific Gravity	0.847-.889
Auto Ignition Temperature	180-250°C
Flammable Limits	Combustible Liquid

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage and handling. **Conditions to Avoid:** Heat, direct sunlight, open flames or other sources of ignition. **Incompatible Materials:** Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, phosphorous and sulphur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicology data available for this product.

Inhalation: Inhalation of vapors may cause irritation of the nose, throat and respiratory system.

Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin: Contact may cause irritation to the skin. This may include redness and itchiness.

Eye: Contact may cause impaired vision, redness and tearing.

Chronic Effects: Prolonged or repeated contact may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity: May cause adverse effects within aquatic organisms.

Persistence/Degradability: Not available.

Mobility: Not available.

Bio-accumulative Potential: Not available.

Environmental Protection: Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: The disposal of spilled or waste materials must be done in accordance with local, state and national regulations.

14. TRANSPORT INFORMATION

Transport Information: Not classified as a Dangerous Good, according to the Local/National regulation for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Poison Schedule: Not scheduled.

Hazard Category: Not classified as hazardous.

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.