

Turbo-Lube HT40

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : Turbo-Lube HT40
Application : Lubricant for Water base drilling Fluids
Manufacturer/Supplier : TCI P.O. Box 60383 Lafayette, La. 70596
U.S.A, TEL: 800.259.7838 Email: tci@turbochem.com Web: www.turbochem.com

2.0 HAZARDS IDENTIFICATION

Emergency Overview: This product is from brown liquid, no-odor. It will burn at elevated temperatures (above 92°C). Extinguish fire with carbon dioxide, dry chemical, and foam or water fog. Water may be ineffective in fighting fire. This product may be irritating to the eyes, skin and respiratory system.

Inhalation: Exposure to fumes (from heating product) may be mildly irritating to the nose and throat.

Eyes: This product may cause irritation to the eyes. Symptoms include redness and a burning sensation.

Skin: Prolonged contact may cause irritation and dermatitis.

Ingestion: Low oral toxicity.

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS No	EC No:	Wt%
Fatty acid derivatives	Proprietary	-	60-100%

4.0 FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention if symptoms persist.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact: Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician. Get medical attention if skin disorder develops.

Ingestion: Contact your local poison control center or get medical attention.

Notes to Physician: Treat symptomatically.

5.0 FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

General Fire Hazards: This product is combustible at high temperatures. Toxic fumes, gases or vapors may evolve on burning.

Hazardous Combustion Products: Carbon dioxide, water vapor. Incomplete combustion can produce carbon monoxide.

Fire-Fighting Equipment/Instructions: Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

6.0 ACCIDENTAL RELEASE MEASURES

Containment Procedures: If sweeping of a contaminated area is necessary, use a dust suppressant agent.

Clean-Up Procedures: Wear appropriate protective equipment and clothing during clean-up. Shovel the material into waste container.

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Instructions: Avoid inhalation of fumes from molten product. Wear appropriate protective equipment and clothing during clean-up.

7.0 HANDLING AND STORAGE

Procedures for Handling: Avoid prolonged or repeated skin contact with this material. Avoid prolonged or repeated breathing of this material. Use this product with adequate ventilation. Keep this product from heat, sparks or open flame. Wash hands after handling and before eating. Launder work clothes frequently.

Turbo-Lube HT40

Recommended Storage Methods: Keep the container tightly closed and in a cool, well-ventilated place. Keep this material away from food, drink, and animal feed. Do not store this material in open or unlabeled containers. Mixed with the oxidizer storage is strictly prohibited.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: General Product Information - Protect from skin and eye contact.

Engineering Controls: Use general ventilation.

Eye / Face Protection: Safety glasses or a face shield can reduce the possibility of accidental eye contact.

Skin Protection: Use impervious gloves for prolonged contact.

Respiratory Protection: Under normal conditions, respirator is not normally required.

General: Use good industrial hygiene practices.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear Amber liquid

Odor : Characteristic

PH@25°C ,(1% dilution in 25%IPA/75% DI water) : 7-9

Specific gravity@25°C : 0.92-0.96

Solubility in water : Disperse

10.0 Stability and Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: Hazard polymerization will not occur.

Chemical Incompatibilities: This product may react with strong oxidizing agents.

Conditions to Avoid (Stability): Avoid excessive heat and all sources of ignition.

Hazardous Decomposition Products: Carbon dioxide, water vapor. Incomplete combustion can produce carbon monoxide.

11.0 Toxicological Information

Epidemiology: No data available for product.

Carcinogenicity: General Product / Component Information - No data available on the product as a whole.

Teratogenicity / Reproductive Effects: No data available for the product as a whole.

Neurotoxicity: High vapor / aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

Mutagenicity: No data available on this product as a whole.

Other Information: No other information available.

12.0 ECOLOGICAL INFORMATION

Eco toxicity : No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

Environmental Fate: No information is available.

13.0 DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

14.0 TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code(IMDG Code) for

Turbo-Lube HT40

transport by sea; NON-DANGEROUS GOODS.

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15.0 Regulatory Information

This product does not need to be labeled in accordance with EC directives or respective national laws.

Poisons Schedule:N/A AICS

Name:N/A

NZ Toxic Substance: N/A.

HSNO Hazard Classification: No data available.

ERMA Approval Code: No data available.

16.0 OTHER INFORMATION

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.