

OBLUBE 053

MATERIAL SAFETY DATA SHEET

1. SUBSTANCE / PREPARATION AND COMPANY NAME:

PRODUCT NAME: **OBLUBE 053 – MULTI-PURPOSE LITHIUM EP GREASE NLGI 0**

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2. HAZARDS IDENTIFICATION

This product is not classified as dangerous substance or mixture as per regulatory guidelines. (See Section 15)

POTENTIAL HEALTH EFFECTS

Prolonged or repeated exposure may result in eye, skin or respiratory irritation. Low order of toxicity.

NFPA Rating: Flammability: 1, Reactivity: 0, Health: 1

HMIS Rating: Flammability: 1, Reactivity: 0, Health: 1

NOTE: This material should not be used for any other purpose than the intended use listed in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks, which may vary from person to person.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION: Not classified as flammable but will burn.

3. INFORMATION ON INGREDIENTS

This material is not considered to be hazardous according to regulatory guidelines. (See Section 15)

COMPONENT	CAS NUMBER	TLV/PEL (mg/M3)	WEIGHT %
Petroleum Oil	Mixture	NE	85 - 95
Performance Package	Mixture	NE	5 - 15

The specific chemical names and composition of the components not disclosed is confidential business information and is withheld as permitted by 29CFR 1910.1200 and various Right-to-Know laws.

COMPONENT COMMENTS: The highly refined mineral oils in this product contain < 3% DMSO-extract (IP 346)

4. FIRST AID MEASURES

Remove contaminated clothing.

EYES: Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately.

SKIN: Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

INHALATION: Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.

INGESTION: Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

NOTE TO PHYSICIANS: Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Water Spray (fog), dry chemical, foam, halon, or carbon dioxide.

Inappropriate Extinguishing Media: Water stream may splash burning liquid and spread fire.

FIRE FIGHTING

Fire Fighting Procedures: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use self-contained breathing apparatus (SCBA) to fight fires. Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Smoke, Fumes, Sulfur oxides, oxides of carbon.

FLAMMABILITY PROPERTIES

Flashpoint (Cleveland Open Cup): 250°C

Flammable Limits (Approximate volume% in Air): LEL: NA UEL: NA

Auto-ignition Temperature: NA

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURE

Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

SPILL MANAGEMENT

Land Spill: Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

Water Spill: Confine the spill immediately with booms. Stop leak, if you can do so without risking personal safety. Report spills as required to appropriate authorities. Remove from the surface by skimming or with suitable absorbents.

ENVIRONMENTAL PRECAUTIONS

Large spills should be diked for later recovery or disposal. Spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil. To the best of Assawayer Trading Co. Ltd., knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

7. HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Extremely slippery when spilled. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or mists.

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat sparks and open flame. Do not store in direct sunlight. Keep at a temperature not exceeding 50°C. Keep away from strong oxidizers.

INCOMPATIBLE MATERIALS: None known based on information supplied.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

RESPIRATORY PROTECTION: None required under ordinary conditions of use.

VENTILATION: No special requirement under ordinary conditions of use and with adequate ventilation.

PROTECTIVE CLOTHING: Oil resistant gloves for hypersensitive persons.

EYE PROTECTION: Chemical resistant goggles or face shield.

GENERAL HYGIENE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State at Atmospheric Temperature and Pressure: Semi-Solid

Color: Amber

Odor: Slightly Oily

Texture: Smooth / Buttery

Flash Point: > 230 °C (ASTM D 92 – C.O.C.)

Solubility in water: Insoluble

The values declared above do not constitute a specification. Actual figures may vary due to production constraints.

10. STABILITY AND REACTIVITY

Stability: Chemically stable under normal condition.

Conditions to Avoid: High heat, high energy ignition sources.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon, sulfur and by products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY OF PRODUCT OR ITS COMPONENTS: Product does not present an acute toxicity hazard based on known or supplied information. Section 2 and 3 do not list any hazardous or toxicological component.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The environmental impact of this product has not been fully investigated.

PERSISTENCE AND DEGRADABILITY: Not readily biodegradable.

BIOACCUMULATION: No information available.

MOBILITY IN SOIL: Immediately after release, stays above soil. Slowly adsorbs onto soil. Adsorption period not established.

MOBILITY IN WATER: Insoluble in water.

13. WASTE DISPOSAL

UNUSED PRODUCT: Do not release in environment without proper contamination controls. Disposal should be in accordance with local or national legislation.

CONTAMINATED PACKAGING: Dispose of in accordance with local and national waste regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated

Air, Sea, Road and Rail transport: Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS ASSESSED AGAINST:

GHS, EC-REACH

Labeling Information: None Required.

EPA Regulation: Not Assessed

OZONE Depleting Chemicals: None

16. OTHER INFORMATION

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, **Assawayer Trading Co. Ltd.** makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will **Assawayer Trading Co. Ltd.** be responsible for damages of any nature whatsoever resulting from the use or sole reliance upon the Information provided.

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