

SAFETY DATA SHEET

Trade name: Master Lube Plus™

Revised: 9/13/2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Trade name:** Master Lube Plus™**Supplied by:** Mud Masters Group, Inc.
4071 Woodland Hwy
New Orleans, LA 70131**Telephone:** (432) 687-1171**Emergency:** CHEMTREC 1-800-424-9300**Intended use:** Drilling fluid additive**SECTION 2: Hazards identification****Emergency overview****Physical state:** liquid**Color:** Pale orange**Odor:** No Odor**CAUTION!**

Prolonged or repeated skin contact may cause drying, cracking, or irritation.

**Potential health effects****Inhalation:** In high concentration, vapors may be irritating to the respiratory system.**Eye contact:** May cause temporary eye irritation.**Skin contact:** Prolonged contact may cause dryness of the skin.**Ingestion:** No harmful effects expected in amounts likely to be ingested by accident.**OSHA regulatory status:** This product is hazardous according to OSHA 29CFR 1910.1200.**SECTION 3: Composition/information on ingredients**

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Chemical Name	CAS-No.	Concentration*
†Soybean Oil	8001-22-7	Suspension
Proprietary – Food grade		Blend

* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

SECTION 4: First aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eye Contact: Any material that contacts the eye should be washed out immediately with water for 15 minutes. Get medical attention promptly if symptoms persist.

Skin Contact: Wash skin with soap and water.

Ingestion: First aid is normally not required. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

SECTION 5: Fire-fighting measures

Extinguishing Media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media: None.

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual Fire & Explosion Hazards: None known.

Hazardous Combustion Products: Carbon Oxides

SECTION 6: Accidental release measures

Personal Precautions: Wear appropriate personal protective equipment.

Spill Cleanup Methods: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

SECTION 7: Handling & storage

Handling: See Section 8 of the MSDS for Personal Protective Equipment.

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Storage: Store away from strong oxidizers.

SECTION 8: Exposure controls/personal protection

Exposure limits:

Chemical name	Source	Type	Exposure limits
Soybean oil (Mist.)	CA. Alberta OELs	TWA	10 mg/m
Soybean oil (Mist.)	CA. British Columbia OELs	TWA	3 mg/m
Soybean oil (Mist.)	CA. British Columbia OELs	TWA	10 mg/m
Soybean oil (Respirable mist)	CA. British Columbia OELs	TWA	3 mg/m
Soybean oil (Mist.)	CA. Ontario OELs	TWA	10 mg/m
Soybean oil (Mist.)	CA. Quebec OELs	TWA	10 mg/m
Soybean oil (Mist.)	MEX. OELs	TWA	10 mg/m
Soybean oil	US. NIOSH Guide	IDLH	-
Soybean oil (Respirable fraction.)	US. OSHA Z-1 PEL	TWA	5 mg/m
Soybean oil (Total dust.)	US. OSHA Z-1 PEL	TWA	15 mg/m

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Eye Protection: Risk of contact: Wear approved safety goggles.

Hand Protection: It is a good industrial hygiene practice to minimize skin contact.

Skin Protection: Apron and long sleeves are recommended.

Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls: Environmental manager must be informed of all major spillages.

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SECTION 9: Physical and chemical properties

Color: Pale yellow
Odor: Vegetable
Physical State: Liquid
Boiling Point: >260°C (500°F)
Flash Point: >260°C (500°F) (Cleveland Open Cup)
Vapor Density (Air=1): > 1
Specific Gravity: 0.92 - 0.925 (54°C)
Solubility in Water: Negligible < 5 %

SECTION 10: Stability and reactivity

Stability: Stable.
Conditions to Avoid: None known.
Incompatible Materials: Strong oxidizing agents.
Possibility of Hazardous Reactions: Will not occur.

SECTION 11: Toxicological information

Specified Substance(s)

Acute Toxicity:
Test Results: Not known to be harmful

Listed Carcinogens: None.

Product Information

Acute Toxicity:
Test Results: Not known to be harmful

Other Acute: Data for surrogate material indicates this product is unlikely to pose a health hazard.

Chronic Toxicity: No additional adverse health effects noted.

SECTION 12: Ecological information

Ecotoxicity: Not expected to be harmful to aquatic organisms.

SECTION 13: Disposal considerations

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General Information: Do not discharge into drains, water courses or onto the ground. Discharge, treatment, or disposal may be subject to national, state, or local laws. Empty containers may contain product residues.

Disposal Methods: No specific disposal method required.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

SECTION 15: Regulatory information

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: This is not a WHMIS controlled product.

Mexican Dangerous Statement: This product is not dangerous according to Mexican regulations.

Inventory Status

This product or all components are listed or exempt from listing on the following inventory: DSL, TSCA

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not regulated.

SARA Title III

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated.

Section 311/312 (40 CFR 370):

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372): Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

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Not regulated.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Not regulated.

Drug Enforcement Act: Not regulated.

TSCA

TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated.

TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E): Not regulated.

TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not regulated.

Massachusetts Right-To-Know List: Soybean oil

Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)): Not regulated.

Minnesota Hazardous Substances List: Soybean oil

New Jersey Right-To-Know List: Not regulated.

Pennsylvania Right-To-Know List: Soybean oil

Rhode Island Right-To-Know List: Soybean oil

SECTION 16: Other information

Hazard Ratings:

	Health Hazard	Fire Hazard	Instability	Special Hazard
NFPA	1	1	0	None

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

	Health Hazard	Fire Hazard	Instability	PPE
HMIS	1	1	0	See section 8 above

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this SDS will make their own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product.