

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

PRODUCT NAME: **Mecha Tool High-Temperature Red Grease**

EMERGENCY TELEPHONE: (305) 888 1155

TRADE OWNER: **M & J Sunshine, Corporation.**

INFORMATION FAX: (305) 888 1157

TRADER ADDRESS: 7391 NW 78 Street Miami, FL 33166

SYNONYMS / GENERAL NAME: Lubricating Grease

## SECTION 2 – CHEMICAL AND PHYSICAL PROPERTIES

KINEMATIC VISCOSITY: Typical 450 mm<sup>2</sup>/s at 40 °C / 104 °F

INITIAL BOILING POINT: Data Not Available

SPECIFIC GRAVITY: 0.89 at 15 °C / 59 °F

VAPOUR PRESSURE (mm Hg at 20 °C): <0.5

DROPPING POINT: 500 °F (270 °C)

VAPOUR DENSITY (air = 1): >1

DENSITY: Typical 7.50 g/cm<sup>3</sup> at 15 °C / 59 °F

SOLUBILITY IN WATER AT 20 °C: Insoluble in cold water

VISCOSITY AT 40 °C: 214 mm<sup>2</sup>

STRONG ACID BASE: Stable

PERCENT VOLATILE: Negligible Volatility

APPEARANCE AND ODOR: Dyed red. Semi-solid at room temperature. Slight hydrocarbon.

HAZARDOUS DECOMPOSITION PRODUCTS: On burning, carbon monoxide and carbon dioxide, plus oxides of phosphorus and sulfur. STABILITY: Stable. POLYMERIZATION: Not expected to occur.

INCOMPATIBILITY: Strong oxidizers such as hydrogen oxidizer, bromine and chromic acid.

## SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

AUTO-IGNITION TEMPERATURE: 320 °C / 608 °F

FLASH POINT: 350 °C / 662 °F

FLAMMABLE LIMITS: Lower: 1% Upper: 10%

EXTINGUISHING MEDIA: Dry chemical, Foam, CO<sub>2</sub> or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Respiratory protection (NIOSH approved) for fire fighting personnel.

Cool with water; no unusual products of combustion.

## SECTION 4 – HEALTH HAZARD DATA

PERMISSIBLE CONCENTRATIONS (air): Oil Mist, mineral 5 mg/m<sup>3</sup> PEL OSHA, 5 mg/m<sup>3</sup> TWA ACGIH

ROUTE(S) OF ENTRY: Inhalation? Yes Skin? Limited Ingestion? Yes (deliberate)

HEALTH HAZARDS-ACUTE TOXICOLOGICAL PROPERTIES: NDA Skin: Prolonged contact may cause dermatitis to some extent.

CARCINOGENICITY: None NTP? No IARC Monographs? No OSHA Regulated? No

SIGNS & SYMPTOMS OF EXPOSURE: Eyes: Red and drowsy; dizziness, altered personality, nausea, vomiting.

EMERGENCY & FIRST AID PROCEDURES:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician if the irritation persists.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove exposed person to fresh air and ventilate area. Call a physician.

Ingestion: Call a physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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## SECTION 5 – CONTROL MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: In significant volume, transfer into container for disposal. Absorb with inert ingredients such as sand/earth/vermiculite: sweep and dispose according to regulations. Prevent liquid from entering sewers, watercourses or low areas. Adequately ventilate area. Recover free liquid by pumping, or use a suitable absorbent (vermiculite).

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable Federal, State and Local regulations.

PRECAUTIONS FOR HANDLING AND STORING: Keep container closed until ready for use. Keep away from feed and food products. Do not handle or store near flame, high heat or strong oxidizers. Adequate ventilation required.

OTHER PRECAUTIONS: Do not store or handle in temperatures above 122°F.

## SECTION 6 – PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTIONS: None.

VENTILATION: None.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Usually not needed

WORK/HYGIENIC PRACTICES: Use usual, good hygienic practices; wash thoroughly after use.

## SECTION 7 – TRANSPORTATION DATA

DOT ID No.: N/A

DOT LABEL REQUIRED: None

FREIGHT CLASSIFICATION: Petroleum Lubricating Oil

HAZARD CLASS: No hazardous

PACKING GROUP: N/A

SPECIAL TRANSPORTATION NOTED: None.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This supersedes any previous information.