

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT: **Mecha-tool® High Temp grease**

EMERGENCY PHONE NUMBER: (305) 888 1155

OWNER: M & J Sunshine, Corporation.

ADDRESS: 3200 NW 119TH MIAMI FLORIDA 33167

SYNONYMS / GENERAL NAME: Grease

SECTION 2: COMPOSITION AND INGREDIENTS

Components	CAS No.	Range in %
Base Oil-Highly refined	64742-52-5	70-80
Additives	Preparatory	5-6
Lithium hydroxide, monohydrate	1310-66-3	1.5-2
FATS (12-Hydroxystearic acid and others)	106-14-9	10-12

SECTION 3: HAZARDS IDENTIFICATION

Health: Inhalation : Harmful if swallowed

Skin Contact : Harmful on prolonged exposure

Eye Contact : No significant health hazards identified.

Ingestion : Harmful if swallowed

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air, restore breathing if required, medical Aid is necessary.

Skin Contact: Flush with plenty of water, seek medical aid if discomfort persist.

Eye Contact: Flush with plenty of water, seek medical aid if discomfort

Ingestion: persist.

SECTION 5: FIRST AID MEASURES

Extinguishing media	Dry chemicals, foam carbon di oxide.
Fire Fighting Protective Equipment	Fire – fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.
Specific Hazards	Do not pressurize, cut, weld, braze, solder, drill, grind or Expose containers to heat or sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Avoid breathing vapor or mist. Provide adequate ventilation.
Environmental precautions	Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
Method for cleaning up	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water – soluble or absorb with an inert dry material and place in an appropriate waste disposal containers. Dispose of via a licensed waste disposal contractor.

SECTION 7: HANDLING AND STORAGE

Handling	Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled. Stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Keep in the original containers or an approved alternative made from a compatible material, kept tightly closed when not is use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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Storage	Store in accordance with local regulations. Store in original containers protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container, tightly closed and seals until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.
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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this products contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering control to keep worker exposure below any recommended of statutory limits.
Respirators	Use a properly fitted, air-purifying or air-fed respirator complying with an approved stranded if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazardous of the product and the safe working limits of the
	Selected respirator. Recommended: organic vapor filter.
Eye Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Personal protective equipment	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Gloves	Chemical-resistant, impervious gloves complying with an approved standard should be worn al all times when handling chemical products if a risk assessment indicates this is necessary.
Safety glasses	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Occupational Exposure limits	Emission from ventilation of work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering medications to the process equipment will be necessary to reduce emission to acceptable levels.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Semi solid material free from suspended matters.	
Color ASTM	RED	
Base Oil Type	Minerals	
Drop Point °C min (COC)	260	
Soap Type	Lithium Complex	
Structure Type	Smooth and Buttery	
Mos2 %	NIL	3%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperatures and pressure.
Hazardous Decomposition products	May release Cox, NOx, Sox, SiOX, formaldehyde, alkenes, metal oxides, smoke and irritating vapours when heated to decomposition.
Incompatibility with other materials.	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides etc.
Hazardous Polymerization	Hazardous polymerization will no occur.

SECTION 11: STABILITY AND REACTIVITY

Acute Inhalation Toxicity	The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.
Skin Irritation	The skin irritation hazard is based on evaluation of data for similar materials or products components.
Eye Irritation	The eye irritation hazard is based on evaluation of data for similar materials or product components.
Skin Sensitization	No product toxicology data available.
Acute Oral Toxicity	The acute oral toxicity hazard is based on evaluation of data for similar materials or products components.
Acute Dermal Toxicity	The acute dermal toxicity hazard is based on evaluation of data for similar materials or products components.

SECTION 12: ECOLOGICAL INFORMATION

Environmental hazards	This material is not expected to be readily biodegradable.
Eco toxicity	The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

SECTION 13: DISPOSAL CONSIDERATIONS

Product & contaminated packaging:	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.
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SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name	Not regulated as a hazardous material for transportation.
DOT Hazard Class	Not applicable.
DOT indentation number	Not applicable.
DOT packing group	Not applicable.
Additional information	Not hazardous.
IMO/IMDG hazard class	Not applicable.
IMO/IMDG Identification number	Not applicable.
IMO / IMDG packing group	Not applicable.

SECTION 15: REGULATORY INFORMATION

Classification and labeling danger symbol	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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SECTION 16: OTHER INFORMATION

Information contained in this material safety data sheet is believed to be reliable but no representation; guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to manufacturer / seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured / handled or sold by him as the case may be. The M&J SUNSHINE Corp makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.