

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
(29 CFR 1915, 1916, 1917)

MATERIAL SAFETY DATA SHEET

COMPANY NAME: Mueller Company  
ADDRESS: 500 W. Eldorado  
Decatur, Illinois 62525  
TELEPHONE NO.: 217-423-4471

CHEMICAL NAME: BEES WAX AND LARD OIL

TRADE NAME AND SYNONYMS: MUELLER CUTTING GREASE

CHEMICAL FAMILY: ORGANIC WAX AND OIL

MOLECULAR WEIGHT:

FORMULA: LARD OIL 72% AND BEES WAX 28%

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PHYSICAL DATA

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APPEARANCE AND ODOR: AMBER

BOILING POINT: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): .905  
= 915 @ 25 DEGREES C

VAPOR PRESSURE (mm Hg): N/A

PERCENT VOLATILE BY VOLUME: NOT  
VOLATILE AT AMBIENT

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE: < 1.

SOLUBILITY IN WATER: NO

HOW BEST MONITORED: N/A

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HAZARDOUS INGREDIENTS

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MATERIAL	PERCENT BY WEIGHT	OSHA PEL	ACGIH TLV
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THIS PRODUCT CONTAINS NO HAZARDOUS MATERIALS AS DEFINED BY OSHA

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HEALTH HAZARD DATA

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Routes of Exposure: Possible smoke or fume inhalation from burning material.

Effects of Overexposure: When overheated, may produce acrolein, which may cause burning of eyes.

Inhalation - No known hazard.

Skin Contact - May cause burns when in contact with heated material.

Eye Contact - When overheated, may cause burning of eyes.

Ingestion - No known hazard.

Emergency and First Aid Procedures:

Inhalation - Remove from area to fresh air.

Skin Contact - Treat as burns, cool area with water. Do not remove cooled material, call physician.

Eye Contact - Flush with water.

Ingestion - Induce vomiting by giving 16 oz. of water and applying finger to the back of the throat.

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Carcinogenic Assessment (NIP Annual Report, IARC Monographs, other): No known hazard.

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FIRE AND EXPLOSION HAZARD DATA

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Flash Point: 470 F Test Method Used: Flammable Limits: Unknown

LEL: N/A

UEL: N/A

Extinguishing Media: CO2 Foamite, sand or sodium bicarbonate.

Special Fire Fighting Procedures: Use no water. Treat as an oil fire. Firefighters should wear self contained breathing apparatus and protective gear.

Unusual Fire and Explosion Hazards:

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REACTIVITY DATA

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Stability:  
Unstable  
Stable

X

Conditions to Avoid:  
Avoid strong oxidants

Incompatibility (Materials to Avoid): Strong oxidants and materials made of copper.

Hazardous Decomposition Products: Overheating may produce acrolein.

Hazardous Polymerization:	Conditions to Avoid:
May occur	
Will not occur	X N/A

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SPILL OR LEAK PROCEDURES

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Steps to be taken in case material is released or spilled: Follow local, state, and Federal regulations as to notification. Material can be recovered ground by pump, shovel, and absorption.

Waste disposal method: Material completely biodegradable, check local, state, and Federal regulations as to disposal.

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SPECIAL PROTECTION INFORMATION

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Respiratory Protection: NIOSH approved respirator when used at elevated temperature.

Ventilation: Local Exhaust - Not needed at ambient  
Mechanical (General) - Recommended  
Special - None known

Protective Gloves: Not required at ambient.

Eye Protection: Goggles when heated.

Other Protective Equipment: N/A

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SPECIAL PRECAUTIONS

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Precautions to be taken in handling and storage: Maintain temperature at a maximum of 50 C. Used for cutting tool lubrication only.

Other Precautions: Not recommended for human consumption.

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