



McLube Division
McGee Industries, Inc.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name and Address:	Telephone Numbers:
McGee Industries, Inc. 9 Crozerville Road P. O. Box 2425 Aston, PA 19014-0425	Emergency – Business Hours: (800) 262-5823 Emergency – After Hours: (800) 424-9300 Company Phone Number: (610) 459-1890 Company Facsimile: (610) 459-9538
Product or Trade Name:	MSDS Revisions:
McLube MoS ₂ – 100	See section 16
Chemical Name and Synonyms:	MSDS Issue Date:
Molybdenum disulfide, technical fine grade powder	04/15/2010
	Supersedes Date:
	04/10/2007

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Appearance/Odor: Odorless blue-gray to black crystalline powder.
OSHA Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Likely Routes of Exposure: Eye contact, skin contact, inhalation.
Eye: Mild mechanical irritation possible.
Skin: Not an irritant.
Ingestion: Not considered toxic.
Inhalation: Excessive dusting may be irritating. References available report no ill effect in workers exposed to dust.
Target Organs: None.
Carcinogenicity: None of the components in this product is listed by IARC, NTP, or OSHA as a carcinogen.
Potential Environmental Effects: None known.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>% By Wt.</u>
Molybdenum Disulfide, technical fine grade powder	1317-33-5	100

SECTION 4 FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes, get medical attention.
Skin Contact: Wash with soap and water.
Inhalation: Remove to fresh air.
Ingestion: If larger quantities ingested, see a physician.

SECTION 5 FIRE FIGHTING MEASURES

Flammable Properties: Non-flammable.
Suitable Extinguishing Media: Dry chemical, earth or sand.
Special Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.



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Unusual Fire and Explosion Hazards: None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.
Methods for Containment: Nothing special.
Methods for Clean-Up: Use vacuum system to clean up spills.

SECTION 7 HANDLING AND STORAGE

Keep containers closed.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: ACGIH TLV
Component TWA
Molybdenum disulfide 10 mg/m³ as Mo
technical fine grade powder
Engineering Controls: Provide ventilation to control to standard, OSHA standard 15 mg/m³,
ACGIH TLV 10 mg/m³.
Eye/Face Protection: Do not get into eyes. Safety goggles to prevent dust getting into eyes.
Skin Protection: Gloves optional.
Respiratory Protection: Use NIOSH approved respirator to prevent exposure in excess of TLV.
General Hygiene Considerations: Wash hands thoroughly after handling. Do not get on clothing.
Other: Nothing special.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Blue-gray to black
Odor: Odorless
Physical State: Solid Powder
Melting Point: >599°F (>315°C) [oxidizes]
Boiling Point (@ 760 mm Hg): Not applicable
Flash Point (test method): Not applicable
Flammability: Nonflammable
Upper Flammability Limit (Vol. % @ 100°F (38°C)): Not applicable
Lower Flammability Limit (Vol. % @ 100°F(38°C)): Not applicable
Vapor Pressure (mm Hg @ 68°F (20°C)): Not applicable
Vapor Density (Air=1): Not applicable
Specific Gravity: 4.8
Solubility in Water (% by Wt.): Insoluble
Decomposition Temperature: 1600°F (871°C)
% Volatiles by Weight: Not applicable
Evaporation Rate (Water=1): Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.
Incompatible Materials: Hydrogen peroxide, strong oxidizers, potassium nitrate.
Hazardous Decomposition Products: Sulfur dioxide.
Polymerization: Will not occur.



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SECTION 11 TOXICOLOGICAL INFORMATION

Data not available for this product.

SECTION 12 ECOLOGICAL INFORMATION

Data not available for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

Incinerate or bury in accordance with local, state and federal regulations.

SECTION 14 TRANSPORTATION INFORMATION

US DOT (ground)

Proper Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:

Canadian TDG (ground)

Proper Shipping Description: See US DOT

Description:

ICAO (air)

Proper Shipping Description: See US DOT

Description:

IMDG (water)

Proper Shipping Description: See US DOT

Description:

SECTION 15 REGULATORY INFORMATION

Toxic Substances Control Act (TSCA)

This product and/or its components are listed on the TSCA inventory.

SECTION 16 OTHER INFORMATION

HMIS Rating System

Health – 1 Flammability – 1 Reactivity - 0

MSDS Revision Information

04/01/2005	Initial
04/10/2007	Modified to conform to 16 part format of ANSI Standard Z400.1-2004
04/15/2010	Modified to update expiring issue date

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