

SERMATECH INTERNATIONAL INCORPORATED

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SermaLube 72 Part 2
Manufacturer's Name: Sermatech International Incorporated
Address: 155 South Limerick Road, Limerick, Pa 19468
Business Telephone #: 610-948-5100
Emergency Telephone #: Chemtrec USA: 800-424-9300 or Chemtrec International: 703-527-3887
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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Table with 7 columns: INGREDIENT, CAS #, WT%, ACGIH-TWA, EXPOSURE GUIDELINES OSHA-PEL, EH40, SEC 313. Rows include Molybdenum Disulfide and Aluminum Oxide.

NONHAZARDOUS INGREDIENTS WITHHELD AS A TRADE SECRET.

SermaLube 72 is an inorganic lubricating coating made by mixing SermaLube 72 Part 1 and Part 2.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
Dark gray powder; harmful to lungs if inhaled; irritating to eyes; may cause irritation.

Potential Health Effects

- EYE: May cause slight irritation
SKIN: Prolonged contact may cause skin irritation.
INGESTION: No hazard in normal industrial use.
INHALATION: Avoid breathing dust. May cause irritation to mucous membranes and lungs.
CHRONIC (CANCER) INFORMATION: No effects expected.
TERATOLOGY (BIRTH DEFECTS) INFORMATION: No effects expected.
REPRODUCTION INFORMATION: No effects expected.

SECTION 4 - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get medical attention.

INHALATION: Remove to fresh air. If irritation develops or persists get medical attention.

NOTE TO PHYSICIANS: Not applicable.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: None

METHOD: Not applicable

FLAMMABLE LIMITS:

Lower flammable limit: N/A

Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may yield sulfur dioxide.

EXTINGUISHING MEDIA: Spray with water, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Wear appropriate protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Scoop up; rinse spill area with water.

LARGE SPILL: N/A

SECTION 7 - HANDLING AND STORAGE

HANDLING: Use with adequate ventilation.

STORAGE: Store in original containers at 40-90° F

SHELF LIFE: 12 months unmixed. Pot life of mixed coating is 30 days stored at 35-45°F.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Mix coating in a well ventilated area.

RESPIRATORY PROTECTION: Wear NIOSH / MSHA approved dust respirator.

SKIN PROTECTION: Avoid excessive skin contact.

EYE PROTECTION: Wear appropriate glasses.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling point: N/A

Specific gravity: 3.5 - 4.5

Melting point: 1600°F (decomposes)

Vapor density: N/A

Vapor Pressure: N/A
VOC content: none
Appearance: Gray powder, no odor
Solubility in water: Negligible

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID) Stable.

INCOMPATIBILITY: Avoid strong oxidizers, peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield Sulfur dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

SKIN: No information. Not considered toxic.

INGESTION: No information. Not considered toxic.

INHALATION: No information. Not considered toxic.

CHRONIC/CARCINOGENICITY: Ingredients not carcinogenic per ACGIH, IARC, OSHA, NTP.

TERATOLOGY: No information.

REPRODUCTION: No information.

MUTAGENICITY: No information.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No information.

CHEMICAL FATE INFORMATION: No information.

SECTION 13 - DISPOSAL CONSIDERATIONS

Not considered a hazardous waste; dispose of according to applicable local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Proper shipping Name: Molybdenum disulfide mixture NOS.

Hazard Rating (DOT Class): Not regulated.

IATA Rating: Not regulated.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA: Not considered hazardous per 29CFR 1910.1200

TOXIC SUBSTANCES CONTROL ACT (TSCA): The ingredients of this product are all on the TSCA Inventory List.

SECTION 313:

HAZARDOUS INGREDIENTS IDENTIFIED IN THE SEC 313 COLUMN OF SECTION 1 ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372. THIS INFORMATION MUST BE INCLUDED IN ALL

MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not regulated.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All ingredients of this product are on the Domestic Substance List (DSL).

UK CLASSIFICATION FOR SUPPLY: Not regulated.

R20: Harmful by inhalation

R36: Irritating to eyes

S22: Do not breath dust

S25: Avoid contact with eyes

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC) None

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SECTION 16 - OTHER INFORMATION

SermaLube 72 is an inorganically bonded molybdenum disulfide/graphite coating. It is entirely inorganic and is made by mixing powders (part 2) in a water based acidic binder (Part 1) in a ratio of 100 ml Part 1 to 80 gm Part 2. Properties of the mixed coating reflect a combination of SermaLube 72 Part 1 and Part 2.

HMIS RATINGS:	Health	Flammability	Reactivity	
	1	0	0	
0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe

This information is furnished without warranty, expressed or implied; except that it is accurate to the best knowledge of Sermatech Intl. Inc. The above data relates only to the product listed.

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