

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 50 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, OSHA-PEL, EH40, SEC 313. Rows include Molybdenum Disulfide, Graphite, and Aluminum oxide.

NONHAZARDOUS INGREDIENTS WITHHELD AS A TRADE SECRET.

SermaLube 50 is an inorganic lubricating coating made by mixing SermaLube 50 Part 1 and Part 2 in a ratio of 100 ml Part 1 to 25 gm Part 2.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
Dark gray powder; harmful if inhaled; irritating to eyes.

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.
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.

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**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:** Sulfur dioxide

**EXTINGUISHING MEDIA:** Spray with water, dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Wear appropriate protective clothing.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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

**LARGE SPILL:** N/A

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**SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Use with adequate ventilation.

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

**SHELF LIFE:** 6 months unmixed. Pot life of mixed coating is 5 days.

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:** See Section 2.

**ENGINEERING CONTROLS:** Use in a well ventilated area.

**RESPIRATORY PROTECTION:** Wear appropriate dust respirator.

**SKIN PROTECTION:** Avoid excessive skin contact.

**EYE PROTECTION:** Wear appropriate glasses.

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**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

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**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.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

**SKIN:** No information.

**INGESTION:** No information.

**INHALATION:** No information.

**SUBCHRONIC:** No information.

**CHRONIC/CARCINOGENICITY:** No information.

**TERATOLOGY:** No information.

**REPRODUCTION:** No information.

**MUTAGENICITY:** No information.

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**SECTION 12 - ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No information.

**CHEMICAL FATE INFORMATION:** No information.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 - TRANSPORT INFORMATION**

**Proper shipping Name:** Molybdenum disulfide / Graphite mixture NOS.

**Hazard Rating (DOT Class):** Not regulated.

**IATA Rating:** Not regulated.

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**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 50 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 25 gm Part 2. Properties of the mixed coating reflect a combination of SermaLube 50 Part 1 and Part 2.

<b>HMIS RATINGS:</b>	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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