

SERMATECH INTERNATIONAL INCORPORATED

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SermaLube 72 Part 1
Manufacturer's Name: Sermatech International Incorporated
Address: 155 South Limerick Road, Limerick, Pa 19468
Business Telephone #: 610-948-5100
Emergency Telephone #: (USA)800-424-9300 (Chemtrec) (INTERNATIONAL) 1-703-527-3887
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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 Water soluble chromium VI Compounds, Chromium III compounds, Acidic phosphates, and Polytetrafluoroethylene.

NONHAZARDOUS INGREDIENTS WITHHELD AS A TRADE SECRET.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
May cause cancer by inhalation of atomized coating. Harmful if swallowed. May cause sensitization by skin contact. Irritating to eyes and respiratory system.

Potential Health Effects

- EYE: May cause severe irritation
SKIN: Prolonged or repeated skin contact may cause irritation or sensitization.
INGESTION: May be harmful if swallowed.
INHALATION: This product contains chromium VI compounds which are considered to be carcinogenic by inhalation. May cause respiratory irritation.

SECTION 4 - FIRST AID MEASURES

- EYES: Flush with water for 15 minutes. Get medical attention.
SKIN: Immediately flush skin with water, remove contaminated clothing and wash before reuse. Severe skin contact may require medical attention.
INGESTION: If victim is conscious give large amounts of water followed by milk of magnesia. Obtain medical attention.
INHALATION: Remove victim to fresh air. Obtain medical attention.

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: No data

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may yield HF.

EXTINGUISHING MEDIA: Carbon dioxide, sand, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Wear appropriate protective equipment including self contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb onto sand or vermiculite, then scoop up for disposal. Rinse spill area with water.

LARGE SPILL: N/A

SECTION 7 - HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Do not get on skin and clothing.

STORAGE:

Shelf Life: Six (6) months in original containers. Pot life when mixed with SermaLube 72 Part 2 is thirty (30) days when stored at 35-45°F.

Storage Equipment: Store inside in original containers.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Spray booth should have minimum air flow of 150ft²/min.

RESPIRATORY PROTECTION: Do not breathe spray. Use a positive pressure supplied air respirator for spray application.

SKIN PROTECTION: Wear acid resistant rubber or plastic gloves and other suitable protective clothing.

EYE PROTECTION: Wear appropriate goggles.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (MM Hg): 23.7

Vapor Density (Air=1): 0.7 (water vapor)

Evaporation Rate (H₂O)=1): 1

Appearance/Odor: Red-orange odorless liquid

Solubility In Water: Miscible in all proportions.

Specific Gravity: Approx. 1.30

% Volatile: 80 wt. (water)

VOC Content: Nil

pH: Approx. 1

Boiling point: Approx 220°F (104°C)

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SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID) Stable.

INCOMPATIBILITY:(Materials to avoid) Alkalis and strong oxidizing or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may product HF.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

SKIN: Dermal (rabbit) LD₅₀ for chromic acid is 57 mg/kg.

INGESTION: No information on product.

INHALATION: No information on product..

SUBCHRONIC: No data.

CHRONIC/CARCINOGENICITY: Chromic acid is listed on the following: IARC: Human carcinogen, Group 1
NTP: Known human carcinogen

TERATOLOGY: No data.

REPRODUCTION: No data.

MUTAGENICITY: No data.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data.

CHEMICAL FATE INFORMATION: No data.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of as hazardous waste according to all applicable local, state and federal regulations.

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SECTION 14 - TRANSPORT INFORMATION

Proper shipping Name: High Temperature Coating, not regulated.

Hazard Rating (DOT Class): Not regulated.

IATA Rating: Not regulated.

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SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA: This product is considered hazardous per OSHA Hazard Communication Rule, 29CFR 1910.1200

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.

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

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Class D, Division 1 & 2

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All ingredients of this product are on the Domestic Substance List (DSL) and acceptable for use under the provisions of CEPA.

UK CLASSIFICATION FOR SUPPLY: Toxic

R22: Harmful if swallowed

R36/37: Irritating to eyes and respiratory system

R49: May cause cancer by inhalation

S23: Do not breath spray

S36: Wear suitable protective clothing

S45: In case of accident or of you feel unwell, seek medical advise immediately (show the label where possible).

S51: Use only in well ventilated areas, wear suitable respiratory equipment.

STATE REGULATIONS:

CALIFORNIA PROP65: This products contains water soluble chromium VI compounds, a chemical known to the state of California to cause cancer.

VOLATILE ORGANIC COMPOUNDS (VOC) This product contains no volatile organic compounds.

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SECTION 16 - OTHER INFORMATION

SermaLube 72 is an aqueous acidic high temperature lubricating compound.

HMIS RATINGS:

Health

Flammability

Reactivity

3

0

1

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.