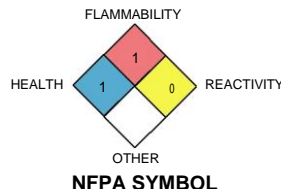


| | |
|--------------|---|
| Health | 1 |
| Flammability | 1 |
| Reactivity | 0 |
| PPE | G |

HMIS SYMBOL

MATERIAL SAFETY DATA SHEET

SuperMetalium-SLaP



SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **SuperMetalium-SLaP**
 Chemical Family: Mixture
 Use: Spray lubricant and penetrant.
 Manufacturer/Supplier: Preferred Industrial
 3160 - 21331 Gordon Way
 Richmond, B.C.
 Canada V6W 1J9
 Phone: (604) 231-6030 Fax: (604) 247-1610
 1-866-522-1600

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Components | Hydrotreated Light Distillate | Mineral Spirits |
|----------------------|-------------------------------|-------------------------------------|
| CAS No | 64742-47-8 | 8052-41-3 |
| Wt. % | 20 - 30% | 10 - 20% |
| OSHA PEL-TWA | Not Established | 2900 mg/m ³ |
| ACGIH TLV-TWA | 200 mg/m ³ | 100 ppm |
| LD50 | >5 mg/kg (oral, rabbit) | 5000 mg/kg (oral, rat) |
| LC50 | Not Established | 5500 mg/m ³ (rat, 4-hrs) |
| Other | N/A | N/A |

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin
 Eyes: Slightly irritating, but will not injure eye tissue.
 Ingestion: Minimal toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possible death.
 Inhalation: Inhalation of high vapor or mist concentrations may cause drowsiness, dizziness, headaches and loss of consciousness.
 Skin: Prolonged and repeated skin contact may cause skin irritation.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.
 Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.
 Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Must be preheated to burn.
 Extinguishing Media: Use dry chemicals, foam, halon or CO₂, sand, earth or water mist.
 Flash Point (COC): >122°C (252°F)
 Explosive Properties: LEL - 0.9% UEL - 7%
 Autoignition Temperature: >254°C (489°F)
 Hazardous Combustion Products: Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.
 Protective Equipment: Self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Scoop up excess, then wipe down the affected area and pick up residue with diatomaceous earth to avoid a walking hazard.
 Environmental Precautions: Do not allow to enter drains.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures: Do not transfer to unmarked containers. Do not pressurize, cut, heat or weld empty containers. Store in a cool, well ventilated place.
 Storage Requirements: If user's operation generates vapors or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make up air should always be supplied to balance air removed by exhaust ventilation. Ensure eyewash station and safety shower are close to work station.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment (PPE's)
 Respiratory Protection: None required.
 Hand Protection: Protective gloves for hypersensitive persons.
 Eye Protection: Protective glasses if applied to moving parts.
 Body Protection: Protective overalls.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
 Odour Threshold: Not Determined
 Odour: Mild Petroleum
 Vapor Pressure: <2.0 mmHg @20°C
 Specific Gravity: 0.88 (Typical)
 Volatility (approx.): 50%
 Vapor Density: >5.0 (air=1)
 Freezing Point (approx.): -44°C (-48°F)
 pH: Neutral
 Evaporation Rate: Not Determined
 Density: 0.88 kg/L (Typical)
 (Butyl Acetate = 1.0): <0.08 (approx.)
 Solubility: Nil

SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents.
 Conditions to Avoid: Powerful sources of ignition, extreme temperatures.
 Materials to Avoid: Reactive and oxidizing agents.
 Hazardous Decomposition Products: May release CO_x, smoke and irritating vapors when heated to decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure Limit of Material: See Section 2
 LC50 of Ingredients, Species and Routes: See Section 2
 LD50 of Ingredients, Species and Routes: See Section 2
 Teratogenicity, Embryotoxicity and/or Fetotoxicity: Not Available
 Mutagenicity: Not Available
 Effects of Long-Term (Chronic) Exposure: Long term dermal application may produce possible skin irritation. Elevated temperatures or mechanical action may form vapors or fumes. Inhalation of oil mists or vapors from hot oil may cause irritation of the upper respiratory tract.
 Carcinogen NTP: No IARC: No OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.
 Behavior: Relatively well behaved. Bioaccumulation potential nil.
 Environmental Fate: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal of petroleum products.

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Mixture contains hazardous components but amounts are insignificant. Mixture is not regulated.
 Shipping Name: N/A
 UN Number: N/A
 Packing Group: N/A
 Classification: N/A
 Labeling Requirements: N/A
 Placard Requirements: N/A

SECTION 15 - REGULATORY INFORMATION

WHMIS: B3 - Flammable and Combustible Material
 - Combustible Liquid
 DSL: All components listed.
 CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations. The MSDS contains all of the information required by these regulations.

SECTION 16 - OTHER INFORMATION

CPR - Controlled Product Regulations
 DSL - Domestic Substance List

As of issue date, the information contained herein is accurate and reliable to the best of Preferred Industrial's knowledge. Preferred Industrial does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the users' responsibility to satisfy themselves that the information offered for their consideration is suitable for their particular use.

Prepared By: Preferred Industrial
 Last Date of Revision: August 26, 2011