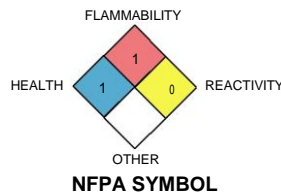


Health	1
Flammability	1
Reactivity	0
PPE	G

HMIS SYMBOL

# MATERIAL SAFETY DATA SHEET

## SuperMetalium SLaP Penetrant Aerosol



### SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **SuperMetalium-SLaP Aerosol**  
 Chemical Family: Mixture  
 Use: Spray penetrant for mechanical and metal surfaces.  
 Manufacturer/Supplier: Preferred Industrial  
 3160 - 21331 Gordon Way  
 Richmond, B.C.  
 Canada V6W 1J9

Phone: (604) 231-6030 1-866-522-1600 Fax: (604) 247-1610

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Hydrotreated Light Distillate	Mineral Spirits	HC Propellant
CAS No	64742-47-8	8052-41-3	124-38-9
Wt. %	20 - 30 %	10 - 20 %	2 - 5 %
OSHA PEL-TWA	Not Established	2900 mg/m3	5000 mg/L
ACGIH TLV-TWA	200 mg/m3	100 ppm	5000 mg/L
LD50	>5 mg/kg (oral, rabbit)	5000 mg/kg (rat, oral)	Not Determined
LC50	Not Established	5500 mg/m3 (rat, 4-hrs)	Not Determined
Other	N/A	N/A	N/A

### SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin  
 Eyes: Slightly irritating, but will not injure eye tissue.  
 Inhalation: Inhalation of high vapor or mist concentrations can cause irritation to respiratory tract and may cause drowsiness, dizziness, headaches and loss of consciousness.  
 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.  
 Skin: Prolonged and repeated skin contact can cause skin irritation.

### SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.  
 Inhalation: Clear air passage. If respiratory difficulty persists, seek medical help.  
 Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.  
 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: Foam, dry chemical, halon, carbon dioxide, sand, earth or water mist.  
 Flash Point (COC): >122°C (252°F)  
 Explosive Properties: LEL - 0.9% UEL - 7.0%  
 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: Avoid disposal into drains.

### SECTION 7 - HANDLING AND STORAGE

Handling Procedures: Do not transfer to unmarked containers. Do not pressurize, cut, heat or weld empty containers.  
 Storage Requirements: Store in a cool, well ventilated place.  
 Engineering Controls: 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  
 Vapor Pressure: <2.0 mm-Hg @20°C  
 Volatility: 50% Approximate  
 Freezing Point: -44.0°C Approximate  
 Boiling Point: Not Determined  
 Evaporation Rate (Butyl Acetate = 1.0): <0.08 Approximate  
 Odour: Mild Petroleum  
 Specific Gravity (Typical): 0.88  
 Vapor Density: >5.0 (air = 1)  
 pH: Neutral  
 Density (Typical): 0.88 kg/L  
 Solubility: Nil

### SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.  
 Photoreactive Agents: None  
 Conditions to Avoid: Powerful sources of ignition, extreme temperatures.  
 Materials to Avoid: Reactive and oxidizing agents.  
 Hazardous Decomposition Products: May release COx, 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 aerosol 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.  
 Shipping Name: AEROSOLS, Flammable  
 UN No.: 1950  
 Packing Group: None  
 Classification: Class 2.1, Flammable Gases  
 Labelling Requirements: Limited Quantities label for containment less than LQI of 6 L net contents per containment. Class 2.1 label if >6 L net contents per containment or large containment.  
 Placard Requirements: Limited Quantities - None Required  
 Large Containment - Class 2.1

### SECTION 15 - REGULATORY INFORMATION

WHMIS: Classes A, B-5  
 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  
 LQI - Limited Quantity Index

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: September 10, 2011