



# SAFETY DATA SHEET

## SECTION I: IDENTIFICATION

**Product names:** ProhmTECT Silver Series

**Other means of Identification:** Not available

**Product type:** Conductive Paste and Lubricant

**Manufacturer:** ProhmTECT  
47108 276<sup>th</sup> Street  
Harrisburg, SD 57032

**Emergency phone #:** 605-767-1200

**Regulatory Information #:** 605-767-1200

## SECTION II: HAZARD(S) IDENTIFICATION

### Emergency Overview

**Appearance/Odor:** Silver metal and lubricant with little odor.

### Potential Health Effects:

#### **Acute Eye:**

May cause irritation.



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**Acute Skin:**

May cause irritation.

**Acute Inhalation:**

May be irritating to respiratory tract.

**Acute ingestion:**

Not considered a route of exposure under anticipated use conditions. May cause severe irritation and to the digestive tract if ingested.

**Chronic Exposure:**

Not determined

**Aggravation of Pre-existing Conditions:**

Not determined

**SECTION III:****COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS#
Silver	7440-22-4
Proprietary Lubricant A	Trade Secret
Proprietary Lubricant Grease	68611-44-9

**Petroleum hydrocarbon/metal mixture:**

Three proprietary ingredients:

The identity of these chemicals constitutes a trade secret. To the best of Prohm-tect's knowledge, the product contains no SARA 313 in reportable amounts as of this date.



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## SECTION IV: FIRST AID MEASURES

### First Aid Measures for Accidental:

#### **Eye Exposure:**

Immediately flush eyes with copious amounts of water. If irritation develops, SEEK MEDICAL ATTENTION.

#### **Skin Exposure:**

Flood affected area with water for extended period then wash with soap. If irritation develops, seek medical attention.

#### **Inhalation:**

Remove to fresh air. Seek medical attention if breathing becomes difficult.

#### **Ingestion:**

Seek medical attention.

## SECTION V: FIRE FIGHTING MEASURES



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## Fire Hazard Data:

### For Lubricant

**Autoignition:** N/A

**Flash Point:** N/A

**Flammability Limits (vol/vol%):**

**Lower:**

N/A

**Upper:**

N/A

### **Extinguishing Media:**

Use extinguishing media suitable for surrounding fire

### **Special Fire Fighting Procedures:**

Keep containers cool by spraying with water when exposed to fire; if flames have reached the product causing a possible decomposition yielding toxic compounds, use self-contained breathing apparatus. This product does not burn, but will thermally dissociate above 290°C.

### **Unusual Fire and Explosion Hazards:**

Dissociate at temperatures above 290°C may cause the evolution of toxic gaseous fluorine compounds.

## **SECTION VI:**

## **ACCIDENTAL RELEASE MEASURES**

### **Cleanup and Disposal of Spill:**

Vacuum or sweep up material and place in a suitable container for reclamation or disposal. Do not discharge into drains or sewers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.



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## SECTION VII: HANDLING AND STORAGE

### Handling/Storage:

Avoid contact with skin and eyes. Keep in a tightly closed container, stored in a cool, dry, well ventilated area.

## SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
Silver	0.1 mg/m <sup>3</sup>	ND	0.01 mg/m <sup>3</sup>
Lubricant	ND	ND	ND

### Engineering Controls:

General mechanical ventilation is adequate for normal use. Local exhaust is recommended for confined areas.

### Respiratory Protection:

None

### Eye / Face Protection:

Use eye protection to protect eyes.

### Skin Protection:

Use gloves to protect hands.



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<b>SECTION IX:</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Physical Appearance:** Silver metal with lubricant

**Odor:** Slight

**pH:** ND

**For Lubricant**

**Specific Gravity:** 1.92

**Water Solubility:** Insoluble

**Melting Point:** NA

**Freezing Point:** NA

**Boiling Point:** ND

**Vapor Pressure:**  $10^{-7}$  @ 20C

**Density:** NA

**Percent Volatiles by Volume:** NA

**Evaporation Rate:** ND

**Viscosity:** ND

**Density:** ND



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## SECTION X: STABILITY AND REACTIVITY

**Chemical Stability:**

Stable

**Conditions to Avoid:**

Avoid heating above 280°C.

**Materials / Chemicals to Be Avoided:**

Ammonia, acetylene, ethyl alcohol with nitric acid, hydrogen peroxide, oxalic acid. Molten alkali metals, interhalogen compounds, strong or not aqueous alkali and Lewis acids above 100°C.

**Hazardous Decomposition Products:**

Toxic HF and COF<sub>2</sub> from thermal decomposition in air plus H<sub>2</sub>O

**Hazardous Polymerization:**

Will not occur.

## SECTION XI: TOXICOLOGICAL INFORMATION

**Acute Effects:**

LD50 Oral: ND

LD50 Dermal: ND



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## Chronic Effects

Carcinogenicity: ND  
Mutagenicity: ND  
Reproductive Effects: ND  
Developmental Effects: ND

## SECTION XII: ECOLOGICAL INFORMATION

### Environmental Fate:

No information found.

### Environmental Toxicity:

No information found.

## SECTION XIII: DISPOSAL CONSIDERATIONS

### Waste Disposal Method:





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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

<b>SECTION XIV:</b>	<b>TRANSPORTATION INFORMATION</b>
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**US Department of Transportation Shipping Name:**

<b>US Department of Transportation</b>	<b>Proper Shipping Name</b>	Not Regulated
	<b>Hazard Class</b>	Not Regulated
	<b>ID Number</b>	Not Regulated
	<b>Packaging Group</b>	Not Regulated

<b>SECTION XV:</b>	<b>REGULATORY INFORMATION</b>
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**Federal Regulations:**

**SARA Title III Hazard Classes:**

Fire Hazard: No  
Reactive Hazard: No  
Release of Pressure: No  
Acute Health Hazard: No  
Chronic Health Hazard: No



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**TSCA:**

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

**Other Regulations:**

None

<b>SECTION XVI: OTHER INFORMATION</b>
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**National Paint & Coating Hazardous Materials Identification System – HMIS(R):**

Health Hazard:	1
Flammability:	0
Reactivity:	0

**Key Legend Information:**

NA – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research Cancer