

Material Safety Data Sheet

Product: Prohm-tect Blend Silver A*C

MSDS Date: 1/19/15

Product Name: Prohm-tect Blend Silver A*C

Manufacturer: Prohm-tect USA, LLC - website: www.prohmtect.com

1. Product and Company Description

Prohm-tect USA, LLC
1512 S. Norton Ave.
Sioux Falls, SD 57105

For Product Information/Emergency:

949-246-8046 or
605-553-2813

Chemical Synonym/Formula:

N/A

2. Hazards Identification

Emergency Overview

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

Potential Health Effects:

Acute Eye:

May cause irritation.

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

3. Chemical Composition

Material Safety Data Sheet

Product: Prohm-tect Blend Silver A*C

Component	CAS#
Silver	7440-22-4
Proprietary Lubricant	Trade Secret

4. 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.

5. Fire Fighting Measures

Fire Hazard Data:

For Lubricant:

Autoignition: N/A

Flash Point: N/A

Flammability Limits (vol/vol%): Lower: Upper:

N/A 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 decompose above 290°C.

Unusual Fire and Explosion Hazards:

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

Material Safety Data Sheet

Product: Prohm-TECT Blend Silver A*C

6. 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.

7. 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.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
Silver	0.1 mg/m ³	ND	0.01 mg/m ³
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:

None required under anticipated product use conditions.

Skin Protection:

Use gloves to protect hands.

9. Physical and Chemical Properties

Physical Appearance: Silver metal with lubricant

Odor: Slight

pH: ND

For Lubricant:

Specific Gravity: 1.92

Water Solubility: Insoluble

Material Safety Data Sheet

Product: Prohm-TECT Blend Silver A*C

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

10. Stability and Reactivity

Chemical Stability:

Stable

Conditions to Avoid:

Avoid heating above 290°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 COF₂ from thermal decomposition in air.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

Acute Effects

LD50 Oral: No data

LD50 Dermal: No data

Chronic Effects

Carcinogenicity: No data

Mutagenicity: No data

Reproductive Effects: No Data

Developmental Effects: No Data

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

Material Safety Data Sheet

Product: Prohm-TECT Blend Silver A*C

No information found.

13. Disposal Considerations

Waste Disposal Method:

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.

14. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated

15. Regulatory Information

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

TSCA

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

Other Regulations:

None

16. Other Information

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

Material Safety Data Sheet

Product: Prohm-tect Blend Silver A*C

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 on
Cancer