



Specialty Product

DESCRIPTION

Silver Presoak is a granular compound specifically designed to presoak or wash silver and other delicate metal objects adversely affected by chemicals such as chlorine. **Silver Presoak** eliminates the problems caused by other types of presoaks when soaking silver and it's chemical composition reduces the deterioration of most metals that are sensitive to chemicals.

DIRECTIONS

Presoaking:

To use **Silver Presoak** as a presoak, line a 4 L (1 gallon) plastic container with aluminum foil, add hot water, and add 28 grams (1 oz.) of **Silver Presoak**. Leave the silver in this solution for 10 to 15 minutes. Clean as usual and change water after each use.

Dishwashing:

In an automatic dishwasher, use 28 grams (1 oz.) or one heaping tablespoon of **Silver Presoak** for each 22.5 litres (6 gallons) of water in the wash tank of the dishwashing machine.

If the machine is used for continuous washing without renewal of water, it will be necessary to add 56 grams (2 oz.) or two heaping tablespoons of **Silver Presoak** for each half hour of continuous operation.

PHYSICAL DATA

Appearance	Powder
Color	Blue
Foam	Low
Odor	Pleasant
pH (3.1%)	11.0 - 12.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **SILVER PRESOAK**

WHMIS CODE: E
 Proper Shipping Name: N/A
 Hazard Class: N/A
 UN Number: N/A

Product Use: *Silver/cutlery presoak.*

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

Maxim Technologies Inc.
 1607 Derwent Way
 Delta, BC V3M 6K8, Canada
 Phone: (604) 526-5655

EMERGENCY PHONE
 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
SODIUM CARBONATE	497-19-8	60.0-100.0	15 mg/m3	10 mg/m3
LD50 (oral rat) 2800 mg/kg				
LD50 (dermal) No Data				
LC50 No Data				
TRISODIUM PHOSPHATE	7601-54-9	10.0-30.0	None	N/E
LD50 (oral rat) 6500 mg/kg				
LD50 (dermal) >300 mg/kg				
LC50 N/A				

SECTION 3 – PHYSICAL DATA

Color and Odor: Blue powder, odorless. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 11.0-11.5 @ 3.1% solution.
Physical State: Powder. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** Powder.
Coeff. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Non-flammable. **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Water, dry chemical, foam or carbon dioxide. Use extinguishing media suitable for surrounding fires.
Unusual Fire and Explosion Hazards: None known.
Hazardous Combustion Products: Decomposition may produce oxides of carbon and phosphorus and sodium.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions, but can be unstable in the presence of excessive heat.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): Strong acids.
Hazardous Decomposition Products: Decomposition may produce oxides of carbon and phosphorus and sodium.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact, inhalation.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin damage or dermatitis, respiratory disorder or lung damage.
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Inhaling vapors or mists may cause respiratory discomfort such as breathing problems, burning, coughing, etc. Ingestion may cause gastrointestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, use a NIOSH/MSHA approved dust respirator if product dust is generated.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Normally not required. Use natural or synthetic rubber gloves for handling.
Eye Protection: Safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Wear protective equipment. Sweep up material and dispose of into a sealed, clean dry waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F).

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA