

Supplied By:



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Material Safety Data Sheet

**EMERGENCY PHONE:
1-800-535-5053**

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 1: Product Identification

Product Name: SILVER SOLID
Product Number: K402
Product Use: Concentrated Solid Warewash Presoak
DOT Shipping Name: None Required

Section 2: Hazardous Ingredient Information

Hazard Chemical Identity

	CAS No.	ACGIHTLV
Sodium Carbonate	497-19-8	N.A.
Proteinase	9073-77-2	2.6 mg/m3
Nonylphenoxypolyethoxyethanol	9016-45-9	N.A.

This product does contain toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1988

Section 3: Physical Data

Color: Blue **Odor:** Mild **Physical State:** Solid
Solubility in Water: Complete **Boiling Point:** N.A.
Vapor Pressure: N.A. **Specific Gravity:** N.A.
Vapor Density in Air (Air=1): N.A.
Volatile, By Volume: None
Evaporation Rate: N.A.

Section 4: Fire and Explosion Hazard Data

Flash Point (Method Used): None
Flammable Limits in Air: N.A.
Extinguishing Media: N.A.
Unusual Fire and Explosion Hazards: Firefighters should wear self-contained positive breathing apparatus, and avoid skin contact.

Section 5: Reactivity Data

Chemical Stability: Stable
Conditions to Avoid: N.A.
Incompatibility (Materials to avoid): May react vigorously when neutralized with concentrated acids. Keep away from aluminum powder, fluorine, phosphorus pentoxide, concentrated sulfuric acid, ammoniacal silver nitrate and molten lithium.
Hazardous Decomposition Products: Carbon Dioxide.
Hazardous Polymerization: Will not occur

Section 6: Toxicological Properties

Exposure Limits:

	PELWTA	TLVTWA
Sodium Carbonate Nuisance Particulates	8hr 5 mg/m3 OSHA	8hr 10mg/m3 ACGIH

Medical Conditions Aggravated by Exposure: Eye or skin and breathing or respiratory disorders will be aggravated by exposure to this product.

Acute Toxicity:

Eyes: Particles in the eye may cause severe irritation and damage to the tissue.

Skin: Prolonged skin contact may have a dehydrating effect and cause allergic reactions for some people. Repeated contact may cause redness and dry cracked skin. Minor irritation may occur on abraded skin.

Ingestion: Swallowing may cause immediate irritation and possible damage to tissue of mouth and gastrointestinal tract. Ingestion of large quantities may cause vomiting, diarrhea, circulatory collapse and death.

Inhalation: Inhalation of dust may cause nasal irritation and sneezing.

Chronic Toxicity: Chronic skin contact may cause sensitization. This product does not contain any materials listed on the IARC, OSHA, or NPT carcinogen lists.

Section 7: Preventative & Control Measures

Respiratory Protection: Not generally required.

Ventilation: General ventilation OK.

Skin Protection: Wear neoprene, PVC, or rubber gloves.

Eye Protection: Wear safety glasses or splashproof chemical goggles.

Hygiene: Avoid contact with skin. Do not eat, drink or smoke in work area. Wash hands prior to eating, drinking, or using restroom. Any protective clothing which becomes contaminated should be thoroughly cleaned before reuse.

Other Control Measures: Safety shower and eye wash should be located in work area.

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Product should be contained and recovered into containers. Clean up personnel should follow all safety precautions during clean up.

Waste Disposal: Dispose of in accordance with all local, state and federal regulations.

Section 8: Emergency First Aid Procedures

First Aid Notes to Physician:

Eyes: Wash eyes immediately with large amounts of water (preferably eye wash fountain), lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes.

Get medical attention immediately.

Skin: Wash off with soap and water.

Ingestion: If the person is conscious, give large quantities of water to dilute product. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention immediately.

Inhalation: Move person to fresh air. If breathing stops, administer artificial respiration. **Get medical attention immediately.**

Section: Precautionary Information

Severely irritating to eyes, skin and mucous membranes. If swallowed can cause severe irritation of the mouth, throat, esophagus and stomach. Inhalation can cause irritation of the upper respiratory tract and lungs depending on exposure. This product contains Butoxyethanol. Repeated over-exposure to this material in concentrated form may cause hemolysis of the red blood cells leading to possible liver and kidney damage.

Section 9: Storage and Handling Precautions

KEEP FROM FREEZING

Store in closed, properly labeled containers.

DO NOT remove or deface labels.

Use of this product should be limited to properly trained individuals.

Section 10: Preparation Information

Prepared By: Regulatory Affairs Department

Phone: 812-336-4817

Date of Preparation: July, 2004

The above information is believed to be accurate with respect to the formula used to manufacture this product. As data, standards and regulations change and conditions of use and handling are beyond our control. **NO WARRANTY** expressed or implied is made as to the completeness of continuing of this information.

Silver Solid

Technical Data Sheet



Capsule
Solid
Silverware
Presoak

Enzyme
Activated

Safe,
Convenient
and
Easy To
Use

Penetrates
Soils
Quickly

Product Description

Silver Solid is a high quality utensil presoaking detergent. Removes tough soils from flatware. Improves silverware appearance. The detergent action of **Silver Solid** softens and loosens food soils. the electrolytic action also safely removes tarnish from silver.

Use Directions

Made for injection through automatic dispensing equipment. Your LabTek representative will develop a program suited to individual requirements.
Presoaking-Remove excessive soil from utensils before submerging in soak solution. Soak until soil is softened. Wash utensils in normal manner. Change solution when it becomes soil laden.
Detarnishing-Submerge aluminum foil in presoak solution. Place the silverware to be detarnished in contact with the aluminum foil. Soak for at least 5 minutes. Wash immediately.

****Do NOT use aluminum foil with stainless steel.****

Areas of Use

For institutional warewash use. Dispensing through power bowl system only.

Safety Precautions

Caution! May cause severe eye irritation, irritation to skin with prolonged contact. Harmful if swallowed. Read product label and MSDS for complete list of hazards and safety precautions. Keep out of the reach of children.

Shipping Classification

None Required

Packaging

4 X 7 Capsules

Properties

FORM: Blue solid with mild odor
SOLUBILITY: Complete
PRIMARY HAZARD: May cause eye and skin irritation
COMPOSITION: Sodium Carbonate, proteinase.