

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****GHS product identifier****Product Name** Silver Solid**Other means of identification****Product Code(s)** RM0407**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Silverware Presoak**Uses advised against** No information available**Supplier's details****Supplier Address**Accurate Chemical  
731 W. Fairmont Dr.  
Tempe, AZ 85282  
1-800-870-8508**Emergency telephone number****Emergency Telephone Number** 1-800-870-8508**2. HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

**PRODUCT AS SOLD**

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

**PRODUCT AT USE DILUTION**

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

**GHS Label elements, including precautionary statements****Emergency Overview****PRODUCT AS SOLD****Signal Word** Warning

## Hazard Statements

- Harmful if swallowed
- Causes skin irritation
- Causes eye irritation



**Appearance** Violet

**Physical State** Solid

**Odor** None

## PRODUCT AS SOLD

### Signal Word Hazard Statements

- Harmful if swallowed
- Causes skin irritation
- Causes eye irritation

### Warning

## Precautionary Statements

### Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use personal protective equipment as required

### General Advice

- IF exposed or concerned: Get medical attention/advice

### Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

### Skin

- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation occurs: Get medical advice/attention

### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

### Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

### Disposal

- Dispose of contents/container to an approved waste disposal plant

## GHS Label elements, including precautionary statements

PRODUCT AT USE DILUTION	
Signal Word	Warning

## Hazard Statements

- Harmful if swallowed
- Causes skin irritation
- Causes eye irritation

## Emergency Overview



**Appearance** Colorless

**Physical State** Liquid

**Odor** None

## Precautionary Statements

### Prevention

- Wear protective gloves / protective clothing / eye protection / face protection
- Wash face, hands and exposed skin thoroughly after handling.

### General Advice

- IF exposed or concerned: Get medical attention/advice

### Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- if eye irritation persists: get medical advice / attention.

### Skin

- IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
- Wash contaminated clothing before reuse
- If skin irritation occurs: Get medical advice / attention

### Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor / physician if you feel unwell.

### Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

### Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

### Disposal

- Dispose of contents/container to an approved waste disposal plant

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### PRODUCT AS SOLD

Chemical Name	CAS-No	Weight %	Trade secret
Sodium Citrate	6132-04-3	10-40	*
Sodium Carbonate	497-19-8	10-30	*
Urea	57-13-6	10-30	*
Oxirane Methyl Polymer Oxirane	9003-11-6	10-30	*
Subtilisin	9014-01-1	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**PRODUCT AT USE DILUTION**

Contains ingredients listed above at weight % less than 0.5%

**4. FIRST AID MEASURES****PRODUCT AS SOLD****Description of necessary first-aid measures****General Advice** – If you unwell or are concerned about contact, call a doctor / physician for advice.

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed****Most Important Symptoms/Effects** No information available.**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician** Treat symptomatically.**PRODUCT AT USE DILUTION**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.
<b>Skin Contact</b>	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induct vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.**Unsuitable Extinguishing Media** None**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data****Sensitivity to Mechanical Impact** None**Sensitivity to Static Discharge** None**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****PRODUCT AS SOLD****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become slippery.

**Environmental Precautions****Environmental Precautions**

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

**Methods and materials for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Collect and reuse if possible. Following product recovery, flush area with water.

<b>PRODUCT AT USE DILUTION</b>	
<b>Personal Precautions:</b>	Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery.
<b>Environmental Precautions</b>	Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.
<b><u>Methods and materials for containment and cleaning up</u></b>	
<b>Methods for Containment</b>	Prevent solutions from spillage.
<b>Methods for Cleaning Up</b>	Flush area with water.

**7. HANDLING AND STORAGE****PRODUCT AS SOLD****Precautions for safe handling****Handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products**

None known based on information supplied.

<b>PRODUCT AT USE DILUTION</b>	
Advice on safe handling	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

Engineering Measures

Eyewash stations

### Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety goggles.

Skin and Body Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **PRODUCT AS SOLD**

#### Information on basic physical and chemical properties

Physical State

Solid

Appearance

Light Orange

Odor

None

Odor Threshold

No information available

#### Property

#### Values for Product as Sold

#### Values for Product at Use Dilution

pH

N/A

9.0-10.5

Melting Point/Range

60 °C / 140 °F

Boiling Point/Boiling Range

None

212 °F

Flash Point

None.

Evaporation rate

No data available

Physical State – Liquid

Flammability (solid, gas)

No data available

Odor – None

Flammability Limits in Air

Appearance - Colorless

upper flammability limit

No data available

lower flammability limit

No data available

Vapor Pressure

No data available

Vapor Density

No data available

Relative Density

No data available

Specific Gravity

No data available.

Water Solubility

Complete

Solubility in other solvents

No data available

Partition coefficient: n-octanol/water

No data available

Autoignition Temperature

No data available

Decomposition Temperature

No data available

Viscosity

No data available

Flammable Properties

Not flammable

Explosive Properties

Not explosive

Oxidizing Properties

Not an oxidizer

#### Other information

VOC Content (%)

0%

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

None under normal processing.

#### **Conditions to avoid**

None known based on information supplied.

#### **Incompatible materials**

None known based on information supplied.

#### **Hazardous decomposition products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### **PRODUCT AS SOLD**

#### **Information on likely routes of exposure**

#### **Product Information:**

<b>Eye Contact</b>	Causes eye irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### **PRODUCT AT USE DILUTION**

<b>Eye Contact</b>	Causes eye irritation
<b>Skin Contact</b>	Causes skin irritation
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

#### **Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no carcinogenic ingredients.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

#### **Numerical measures of toxicity • - Product**

*The following values are calculated based on chapter 3.1 of the GHS document:*

<b>LD50 Oral</b>	No information available.
<b>LD50 Dermal</b>	No information available.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Persistence and Degradability**  
**Bioaccumulation**No information available.  
No information available.**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****PRODUCT AS SOLD****Waste Disposal Methods**

Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging**

Dispose of in accordance with federal, state, and local regulations.

**PRODUCT AT USE DILUTION**

Dispose of in accordance of the federal, state, local regulations.

**14. TRANSPORT INFORMATION****DOT**

Not regulated

**15. REGULATORY INFORMATION****International Inventories****TSCA**

Complies

**DSL/NDSL**

Complies

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**U.S. State Regulations****California Proposition 65**

This product contains no Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

None.

**U.S. EPA Label Information****EPA Pesticide Registration Number**

Not applicable



**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard</b>	<b>1</b>	<b>Flammability</b>	<b>0</b>	<b>Instability</b>	<b>0</b>	<b>Physical and Chemical Hazards</b>	<b>-</b>
<b><u>HMIS</u></b>	<b>Health Hazard</b>	<b>1</b>	<b>Flammability</b>	<b>0</b>	<b>Physical Hazard</b>	<b>0</b>	<b>Personal Protection</b>	<b>A</b>

**Prepared By**  
Sunburst Chemicals

Accurate Chemical  
731 W. Fairmont Dr.  
Tempe, AZ 85282  
1-800-870-8508

**Issuing Date**  
06/01/015

**Revision Date**

**Revision Note**  
New Issue

**General Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**