

# CASCADE SILVER CO. SILVER SULFATE SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

### 1.1 GHS product identifier

Product name: Silver Sulfate

CAS number: 10294-26-5

### 1.2 Recommended use of the chemical and restrictions on use

Laboratory Chemical

Industrial Chemical

### 1.3 Suppliers detail

Cascade Silver Company

P.O. Box 3541

Salem, OR 97302

503-371-3303

### 1.4 Emergency phone number

Chem-Tel 800-255-3924

## 2.0 Hazards Identification

### 2.1 GHS Classification

N/A

### 2.2 GHS Labeling Elements

Hazard pictograms

No pictogram required

Signal word: Warning

Hazard Statements: H305 – May be harmful if swallowed and enters airways

Precautionary statements: P337+P338 – If eye irritation persists, remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 – If skin irritation occurs: Get medical advice/attention

### 2.3 Other Hazards

Other hazards not : None under normal conditions

Contributing to classification

## 3.0 Composition/Information on ingredients

Product Name: Silver Sulfate

Synonyms: N/A

Formula CAS No.: 10294-26-5

Molecular Wt.: 311.80

Chemical Formula:  $\text{Ag}_2\text{SO}_4$

Hazardous Ingredients: Not applicable

## 4.0 First-aid measures

**Inhalation:** Remove to fresh air. Keep comfortable and breathing.

**Ingestion:** May be harmful if swallowed.

**Skin Exposure:** May cause mild irritation. Wash thoroughly.

**Eye Exposure:** May cause mild irritation. Flush with running water. Remove contact lenses.

**Chronic/Carcinogenicity Effects:** N/A

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### 5.0 Firefighting measures

Fire: Not considered to be a fire hazard

Explosion: Not considered to be an explosion hazard

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire

Special information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Silver, oxides of sulfur

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: None identified

### 6.0 Accidental release measures

Sweep up and place in a sealed container. Avoid raising dust. Ventilate area and wash spill site after pick up is complete. Wear appropriate personal protective equipment.

### 7.0 Handling and storage

#### 7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area.

Keep in tightly sealed container in a cool, dry space under inert gas

### 8.0 Exposure controls/personal protection

#### 8.1 Control parameters

Inhalation: Nuisance dust. May cause coughing, sneezing.

Ingestion: Low toxicity due to insolubility .

Skin Contact: Mild irritation.

Eye Contact: No adverse effects expected but dust may cause mechanical irritation.

Chronic exposure: Prolonged or repeated inhalation, application, or ingestion of silver compounds may cause bluish discoloration of the skin and mucous membranes.

Aggravation of Pre-existing Conditions: No adverse health effects expected.

Ventilation: Local exhaust required

#### 8.2 Exposure controls

Hand protection: Wear protective gloves

Eye protection: Chemical goggles or safety glasses. Keep eyewash station nearby.

Respiratory protection: Wear approved mask

Other information: When using, do not eat, drink or smoke

### 9.0 Physical and chemical properties

Appearance: White crystalline powder

Odor: Odorless

Solubility: 0.57g/100cc water @ 10°C

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Boiling Point: 1085

Melting Point: 652°C

Density: 5.45

Vapor density (Air=1): N/A

Vapor Pressure (mm Hg): No information

Evaporation rate: No information

### 10.0 Stability and reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Silver, oxides of sulfur

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: None identified

### 11.0 Toxicological information

No LD50/LC50 information found relating to normal routes of occupational exposure.

### 12.0 Ecological information

No data available

### 13.0 Disposal considerations

Waste Disposal Method: Ensure compliance with local, state and federal regulations.

### 14.0 Transport information

Not regulated

### 15.0 Regulatory information

**Federal and State Regulations:** TSCA 8(b) inventory: Silver Oxide

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the

European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If

swallowed, seek medical advice immediately and show this container or label.

**HMIS (U.S.A.):**

**Health Hazard:** 3

**Fire Hazard:** 0

**Reactivity:** 2

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 0

**Reactivity:** 2

## **CASCADE SILVER CO. SILVER SULFATE SAFETY DATA SHEET**

**Specific hazard:**

**Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

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