



SAFETY DATA SHEET

SILVER FERN
CHEMICAL INC

1. Identification of the Substance and of the Company

Revised: December 11, 2018

Product Name: Sodium Metabisulfite FCC / Photo Grade

WC Code: 19-032

Product Use: Drug manufacture, food additive, water treatment, textile manufacture, photographic chemicals, and other chemical processes.

Company

Silver Fern Chemical Inc.

2226 Queen Anne Ave N.

Seattle, WA 98109

Call: (866) 282-3384

Information / Emergency Telephone

INFOTRAC

Domestic Shipments and to Canada: 1-800-535-5053

International Shipments: 1-352-323-3500

2. Hazard Identification

GHS-US Classification

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

GHS-US Label elements

Pictogram



Signal word: WARNING

Hazard statement(s)

H302: Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statement(s)

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands and other exposed area thoroughly after handling.

P301 + P330 + P331+ P312: IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/ doctor/ medical personnel if you feel unwell.

P303 + P361 + P351 + P333 + P313: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes. If skin irritation or rash occurs: Get medical advice/attention.

P304 + P340 + P342 + P311: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P305 + P351 + P338 + P337 + P313: 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.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/ container to an approved waste disposal plant.

3. Composition/ Information on Ingredients

Synonyms: Sodium Disulfite, Sodium Pyrosulfite, Anhydrous Sodium Bisulfite, ABS

CAS No: 7681-57-4

Molecular Formula: Na₂S₂O₅

Molecular Weight: 190.1 g/ mol

Appearance: White or slightly yellow crystal powder

Assay (Na₂S₂O₅): 97% Min

4. First-Aid Measures

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if irritation occurs.

Skin Contact

Remove any contaminated clothing. Wipe off excess from skin. Wash skin with soap and flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation

If inhaled, remove to fresh air immediately and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. Fire Fighting Measures

Specific hazards arising from the chemical

Releases toxic and irritating sulfur dioxide at fire temperatures.

Fire-fighting equipment/ instructions

Evacuate personnel to a safe area. If necessary, firefighters should use self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media

Material is not flammable. Use extinguishing media appropriate for material in surrounding fire.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use proper personal protective equipment as indicated in Section 8. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation.

Containment and Cleaning up

Handle in accordance with industrial hygiene and safety practices. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Avoid generating dusty conditions. Finish cleaning the contaminated surface and dispose of according to local and regional authority requirements.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and Storage**Precautions**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Do not swallow. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Wash hands and other exposed areas with mild soap and water after handling. Handle in accordance with good industrial hygiene and safety procedures.

Storage

Keep container tightly closed. Store in a dry, cool, and well-ventilated place. Keep away from heat. Empty containers should be handled with care because it may contain residual amounts of this product.

8. Exposure Controls / Personal Protection**Exposure Limit**

No data available

Engineering Controls

Use adequate ventilation or other engineering controls to keep airborne concentrations below recommended exposure limits. See **OSHA Regulations state in 29 CFR 1910.151 (c)** for an eyewash facility and safety shower requirement.

Personal Protective Equipment

Eyes: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Appearance: White or slightly yellow crystal powder

Assay (Na₂S₂O₅): 97% Min

Water Insoluble: 0.02% Max

As: 0.0001% Max

Heavy Metal as Pb: 0.0005% Max
Iron Fe: 0.003% Max
pH: 4.0-4.8
SO₂: 65% Max
Odour: No data available
Odour Threshold: No data available
Melting point/ freezing point: No data available
Initial boiling point: No data available
Evaporation rate: No data available
Vapour pressure: No data available
Vapour density: No data available
Relative density: No data available
Water solubility: No data available
Viscosity: No data available
Oxidizing properties: No data available
Auto-ignition Temperature: No data available
Flash Point: No data available
Explosion Limits: No data available
Flammability of the Product: No data available
Flammable Limits: No data available

10. Stability and Reactivity

Stability: Stable under ordinary conditions

Reactivity: Not normally reactive.

Conditions to avoid: Avoid elevated temperatures. Temperatures above 150°C cause the rapid evolution of toxic and corrosive sulfur dioxide gas.

Incompatibilities with other materials: Oxidizers: may cause strong exothermic reactions.

Acids, water and ice: releases sulfur dioxide gas which is toxic, corrosive, and potentially deadly.

Water and/or ice speeds the production of sulfur dioxide gas.

Hazardous decomposition products: Sulfur dioxide and sodium sulfide residue. Sodium sulfide is flammable, a dangerous fire risk, a strong irritant to skin and tissue, and is incompatible with acids.

Hazardous polymerization: No data available

11. Toxicological Information

Acute toxicity

Sodium metabisulfite – LD50 (oral, rat) = 1131 – 3200 mg/kg

Delayed (Subchronic and Chronic) Effects:

Sodium metabisulfite is not mutagenic in microbial systems or in rat bone marrow metaphase assay or dominant lethal test in rats. A 2 year feeding study in rats was negative for carcinogenicity. In a three generation feeding study in rats, no adverse effects on reproduction was observed.

Carcinogenicity

The components of this product are not listed as carcinogen by ACGIH, IARC, NIOSH, NTP, or OSHA

Special Remarks on Toxicity to Animals: No data available

Special Remarks on Chronic Effects on Humans: No data available

Special Remarks on other Toxic Effects on Humans: No data available

12. Ecological Information

Ecotoxicity

The following ecotoxicity data is available for Sodium metabisulfite:

Daphnia EC50 48h: 89 mg/L

Fish LC50 96h: 32 mg/L

Algae EC50 72h: 48 mg/L

Persistence and Degradability

Chemical Oxygen Demand (COD) 168 mg/g

13. Disposal Information**Waste Disposal**

Keep out of sewers and waterways. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information**US DOT**

Not regulated as a hazardous material

IMDG/ IATA

Not regulated as a hazardous material

15. Regulatory Information**SARA TITLE III/CERCLA**

Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs): None

SARA 302

No chemicals are reportable under Section 302.

SECTION 311 HAZARD CLASS

Acute Health

CERCLA/SARA Section 313

No chemicals are reportable under Section 313.

US State**State Right to Know:**

This chemical is listed on the following state right to know lists: Massachusetts, New Jersey, Pennsylvania.

California Regulations**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other Information**HMIS Rating**

Health: 1

Flammability: 1

Physical Hazard: 0

Personal Protection:

NFPA Rating

Health: 1

Flammability: 1

Instability: 0

Special Hazards:

Revision Date: December 11, 2018

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