

Product and Manufacturer Identification

Product Name: Sodium Bisulfite
Product Use: Professional neutralization of cellulose browning in carpets
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403
 (262) 634-1956

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Sodium metabisulfite	7681-57-4	100

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact of powder or solution. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other "sulfite sensitive" individuals.

Potential Health Hazards:

SKIN: Repeated or prolonged contact with dust may cause irritation. Contact with solutions will cause irritation.
EYES: Dust or mist may irritate or burn the eyes. Solutions will irritate or burn.
INHALATION: Contact with acids, water and/ or ice, releases sulfur dioxide gas, which may be harmful, or deadly if inhaled. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. Inhalation of dust or mist can irritate the respiratory tract. Possible signs of allergic reactions include broncho constriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and even death.
INGESTION: May irritate the gastrointestinal tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. Very large doses may cause violent colic, diarrhea, depression and even death.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with running water for at least 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. Get medical attention if signs of suffocation, irritation or other symptoms develop.
INGESTION: If conscious, drink plenty of water or milk and induce vomiting by touching finger to the back of the throat. Get medical attention. Never give anything by mouth to an unconscious person.

Fire Fighting Measures

Flammable Properties:
FLASH POINT: Not flammable
Extinguishing Media: Use extinguishing media appropriate for material in surrounding fire.
Unusual Fire And Explosion Hazards: Releases toxic and irritating sulfur dioxide at fire temperatures.
Special Fire Fighting Procedures: Wear NIOSH-approved self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures: (See **Exposure Controls** section for recommended personal protection equipment.) Sweep up material with minimum dusting and shovel into an empty container with a cover. Cautiously spray residue with plenty of water. Provide ventilation to clear sulfur dioxide fumes which may be generated by contact with water.

Handling And Storage

Handling Procedures: Avoid contact with eyes and skin. Do not breathe dust. Keep away from water, ice, acids, heat and oxidizing agents.
Storage Procedures: KEEP OUT OF THE REACH OF CHILDREN. Store in a cool, dry, well-ventilated area away from water, ice, acids, heat and oxidizing agents. Releases sulfur dioxide gas slowly at ambient temperatures.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OSHA TWA</u>
Sodium bisulfite	5-mg/ m ³		
Sulfur dioxide	2 ppm		5 ppm

Engineering Controls: Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide. Do not use in unventilated spaces.

Personal Protective Equipment:

Skin Protection: For handling dry material, wear cotton gloves and full work clothing, including long sleeved shirt and trousers. When handling solutions and there is prolonged or repeated contact, wear impervious gloves, clothing and boots.

Eye Protection: Wear chemical safety goggles. Do not wear contacts.

Respiratory Protection: Where required, use a NIOSH-approved respirator for dust, mist and/ or sulfur dioxide gas as conditions indicate. Some exposures may require a NIOSH-approved self-contained breathing apparatus or supplied air respirator.

Additional Recommendations: No special recommendations under normal use conditions

Physical And Chemical Properties

Appearance: Fine, white granular solid
Odor: Pungent sulfur dioxide odor
pH: 1% solution-4.3
Specific Gravity: 1.48
Water Solubility: Complete
% Volatiles: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Evaporation Rate: Not applicable

Stability And Reactivity

Chemical Stability: Normally stable. Temperatures above 150°C cause rapid evolution of toxic and corrosive sulfur dioxide gas.
Incompatibility: 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: 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: Will not occur

Toxicological Information

Immediate (Acute) Effects: Product is an eye irritant
 Sodium metabisulfite-LD₅₀(oral, rat)= 424 mg/ kg
 Sodium bisulfate- LD₅₀(oral, mouse)= 820 mg/ kg
Delayed (Sub-chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: This product is mostly inorganic and not subject to biodegradation.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status
 USA (TSCA) Listed
 Canada (DSL) Listed
 Europe (EINECS/ ELINCS) Listed

Additional Information
 WHMIS Classification: D2B
 SARA Title III: Not applicable
 CERCLA Reportable Quantities: Not applicable
 California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING	HMIS	NFPA
Health	2	2
Flammability	0	0
Reactivity	1	1
PPE	H	

This product is a commercial cleaning and deodorizing chemical.

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