



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. SS 850
Effective Date October 15, 1998

SECTION V HEALTH HAZARD DATA

SS 850

Threshold Limited Value None established for Sodium Sulfite. (ACGIH 1992-93). TWA for SO₂ (Sulfur Dioxide: CAS No. 7446-09-5): 2 ppm, 5 mg/m³; STEL 5 ppm, 10 mg/m³ (Air). (ACGIH 1992-93). RTECS No. WE2150000

Effects of Overexposure **INHALATION:** Dust or mist may irritate respiratory tract. **INGESTION:** May irritate gastrointestinal tract. Estimated to be moderately toxic. May cause severe allergic reactions in some asthmatics. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and even death. **SKIN:** Dust or mist may cause skin irritation from prolonged contact. **EYES:** Dust or mist may irritate or burn eyes.

Emergency and First Aid Procedures **EYES:** Immediately flush with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get prompt medical attention. **SKIN:** Promptly flush with plenty of soap and water. **INHALATION:** Promptly remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical assistance for irritation or any other symptoms. **INGESTION:** If conscious, give plenty of water or milk to drink. Induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	High temperatures (before melting); yield sulfur dioxide gas and hazardous residue.
	Stable	X		

Incompatibility (Materials to Avoid) **Strong oxidizers:** Causes vigorous exothermic reactions. **Acids:** Releases sulfur dioxide gas.

Hazardous Decomposition Products **Sulfur dioxide gas:** toxic and corrosive. **Sodium sulfite residue:** flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Sweep up, dissolve in water, neutralize with Soda Ash or Sodium Hydroxide (caustic) and dispose of to waste water system.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Neutralize with Soda Ash and/or Sodium Hydroxide and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be required in normal laboratory use. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated place away from acids and oxidizing materials. Protect from moisture and heat. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Do not breathe dust. Use with adequate ventilation. Avoid contact with skin and eyes. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 10/15/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM SULFITE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 1
Chemical Synonyms	Sodium Sulfite	
Formula	Na ₂ SO ₃	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	7757-83-7	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Sulfite	100%	See Section V.

WARNING! HARMFUL IF SWALLOWED OR INHALED. MAY BE

IRRITATING TO EYES, SKIN, AND MUCOUS MEMBRANES. CONTACT

WITH ACID RELEASES IRRITATING SULFUR DIOXIDE GAS.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes with heat.	Specific Gravity (H₂O = 1)	2.633 at 20°C
Boiling Point (°F)	900°C (1652°F) decomposes	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Acetate =1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	17 grams per 100 mL. water at 10°C; 28 grams at 33.4°C.		
Appearance & Odor	White granular crystals or powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to keep containers cool, and to knock down fumes. Goggles if eye protection is not provided.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Sulfur dioxide gas may be released (above 1650°F). A full face gas mask approved by NIOSH for sulfur dioxide (SO₂) service should be available if needed.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20