



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. SS 660
Effective Date May 5, 1999

SECTION V HEALTH HAZARD DATA

SS 660

Threshold Limited Value

Sodium Metabisulfite TWA: 5 mg/m³ (Air). (ACGIH 1992-93)

Effects of Overexposure

INHALATION: Dust or mist may irritate respiratory tract. **INGESTION:** May irritate gastrointestinal tract. Very large doses cause violent colic, diarrhea, depression and death. May cause severe allergic reaction in some asthmatics. **SKIN:** Repeated or prolonged contact with dust may cause irritation. Contact with solutions will irritate. **EYES:** Contact may irritate or cause burns.

Emergency and First Aid Procedures

EYES: Immediately flush with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get 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. **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	Excessive temperature, heat, water and/or ice.
	Stable		

Incompatibility (Materials to Avoid)	Acids yield sulfur dioxide gas, which is toxic and corrosive. Avoid contact with oxidizing agents, acids, water and/or ice. Oxidizers may cause strong exothermic reactions.
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Hazardous Decomposition Products	When heated or mixed with acids, water and/or ice, toxic Sulfur Dioxide (SO ₂) gas is released.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Avoid making dust. Sweep up and place in proper container for later disposal. Do not flush material to sewer systems or waterways without first neutralizing.
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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 alkali and flush to sewer with copious amounts of water if permitted by regulations. Proper ventilation is required. Contract with a licensed waste disposal service.
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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.
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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, safety shower, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated place away from water, ice, acids and oxidizing agents. Protect from heat. Wash thoroughly after handling. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Do not breathe dust or mist. Use with adequate ventilation. Avoid contact with skin and eyes and clothing. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	Date	5/5/99	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 METABISULFITE
Chemical Synonyms	Sodium Pyrosulfite, Anhydrous
Formula	Na ₂ S ₂ O ₅
Unit Size	up to 2.5 Kg.
C.A.S. No.	7681-57-4

	CHEMTREC 800-424-9300 Day 716-226-6177	Health	2
		Fire	0
		Reactivity	1
NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		HMIS * 0 1 2 3 4	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Metabisulfite	100%	See Section V.
WARNING! HARMFUL IF SWALLOWED. IRRITANT		
TO SKIN, EYES, AND RESPIRATORY TRACT. CAN CAUSE		
SEVERE ALLERGIC REACTION IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O = 1)	1.33 (for 38% solution)
Boiling Point (°F)	104°C (219°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	EST. 9 (SO ₂)	Evaporation Rate (=1)	< 1
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete.		
Appearance & Odor	White crystals or powder; pungent, sulfur dioxide gas odor..		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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 with full face mask.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Temperatures at or near boiling (104°C) cause evolution of toxic and corrosive sulfur dioxide. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials and acids.

D.O.T. NON-REGULATED.

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