



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. SS 305
Effective Date April 29, 1999

SECTION V HEALTH HAZARD DATA

SS 305

Threshold Limited Value

TWA: 5 mg/m³. Toxicity data for Sodium Bisulfite: orl-rat: 2000 mg/kg;
lvn-rat: 115 mg/kg

Effects of Overexposure

TARGET ORGANS AFFECTED: Brain, gastrointestinal tract, respiratory system. **INHALATION:** Dust or mist may irritate respiratory tract. **INGESTION:** Allergic reaction may develop, will cause extreme nausea and vomiting. May be fatal. **SKIN AND EYES:** Contact causes severe irritation or 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 prompt medical attention. **SKIN:** Flush thoroughly with plenty of soap and water. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention. **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

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| Stability | Unstable | Conditions to Avoid | On exposure to air it loses some Sulfur Dioxide (SO ₂) and is gradually oxidized to Sulfate. |
| | Stable | | |

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| Incompatibility (Materials to Avoid) | Avoid contact with oxidizing agents, acids and water. |
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| Hazardous Decomposition Products | Oxides of sulfur. |
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| Hazardous Polymerization | | Conditions to Avoid |
| May Occur | Will Not Occur | Not applicable. |
| | X | |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Avoid making dust. Sweep up and place in proper container for disposal. Flush spill area with water. |
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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. |
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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| 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. |

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|-------------------|---------|----------------|--------------------------|
| 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. |
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SECTION IX SPECIAL PRECAUTIONS

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

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| Revision No. 6 | Date 4/29/99 | Approved Michael Raszeja | Chemical Safety Coordinator | MR |
|----------------|--------------|--------------------------|-----------------------------|----|

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

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| Product | SODIUM BISULFITE |
| Chemical Synonyms | Hydrogen Sulfite Sodium; Sodium Acid Sulfite |
| Formula | NaHSO ₃ |
| Unit Size | Up to 2.5 Kg. |
| C.A.S. No. | 7631-90-5 |

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2
0

0
2
0

CHEMTREC
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Day 716-226-6177

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE
0 1 2

Health 2
Fire 0
Reactivity 1
HMIS *
HIGH EXTREME
3 4

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|--|---------|------------------------------|
| Sodium Bisulfite | 90-100% | TLV/TWA: 5 mg/m ³ |
| WARNING! HARMFUL IF SWALLOWED OR INHALED. | | |
| MAY CAUSE IRRITATION. MAY CAUSE ALLERGIC REACTION. | | |

SECTION III PHYSICAL DATA

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| Melting Point (°F) | N/A | Specific Gravity (H ₂ O = 1) | 1.48 |
| Boiling Point (°F) | N/A | Percent Volatile by Volume (%) | 0 @ 21°C |
| Vapor Pressure (mm Hg) | N/A | Evaporation Rate (≈1) | N/A |
| Vapor Density (Air=1) | N/A | | |
| Solubility in Water | Appreciable (>10%). | | |
| Appearance & Odor | White granular powder; Sulfur Dioxide odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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|---------------------------|---|-------------------------------------|-----|-------|-------|
| Flash Point (Method Used) | N/A | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
| Extinguisher Media | Use any media suitable for extinguishing supporting fire. | | | | |

SPECIAL FIREFIGHTING PROCEDURES

Sulfur Dioxide gas is released when Sodium Bisulfite is heated. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus with full face mask.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Contact with water gives a mildly acidic solution and liberates irritating Sulfur Dioxide gas. 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