



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 260  
Effective Date April 29, 1999

## SECTION V HEALTH HAZARD DATA

SS 260

### Threshold Limited Value

None established (ACGIH 1992-93).  
Toxicity: Oral-rat LD<sub>50</sub>: 4070 mg/kg; lvn-Rat LD<sub>50</sub>: 1714 Ug/kg.

### Effects of Overexposure

Slight irritant, may cause symptoms of respiratory irritation. Prolonged contact may cause drying of skin. Inhalation of dusts may cause irritation of mucous membranes. Ingestion of several grams or more can cause gastrointestinal irritation. Large doses of 8 to 10 grams by mouth may cause nausea and vomiting.

### Emergency and First Aid Procedures

**INGESTION:** If conscious, give water or milk to drink. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation occurs, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature, heat, and direct sunlight.
	Stable	X	

Incompatibility (Materials to Avoid)	Strong oxidizers and acids.
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Hazardous Decomposition Products	Burning may produce irritating vapors and carbon monoxide.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Remove all sources of ignition. Wearing proper protective clothing, avoid making dust, sweep up and place in a suitable container for disposal. Flush 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.
	Incinerate in a suitable furnace, or bury in an approved landfill. Observe local, state and federal regulations. Do not contaminate any streams, lakes or ponds.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.
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Ventilation	Local Exhaust	Not ordinarily required.	Special	No.
	Mechanical (General)	Acceptable.	Other	No.

Protective Gloves	Gloves to minimize skin contact.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from heat, incompatible materials and direct sunlight. 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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Do not breathe dust. Use adequate ventilation. Remove and wash contaminated clothing. Avoid contact with eyes, skin and clothing.

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

Revision	No. 6	Date	4/29/99	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 BENZOATE
Chemical Synonyms	Benzoic Acid Sodium Salt
Formula	C <sub>6</sub> H <sub>5</sub> COONa
Unit Size	up to 2.5 Kg.
C.A.S. No.	532-32-1

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA  
HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Benzoate	100%	None established.
Free Benzoic Acid	Approx. 0.1%	None established.

CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT		
IRRITATION. DO NOT BREATHE DUST. MAY CAUSE IRRITATION		

## SECTION III PHYSICAL DATA

Melting Point (°F)	>300°C (572°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.44 at 25/25°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl acetate = 1)	Non-volatile.
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	55%		
Appearance & Odor	White flakes, granular or powder; no odor. Hygroscopic.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	Unknown	Lower	-----	Upper	-----
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Extinguisher Media	Dry chemical, carbon dioxide, water spray or foam.
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### 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.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat emits acid fumes; can react vigorously with oxidizing materials. High concentrations of dust in air may form explosive mixture.

D.O.T.	Non-regulated.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20