



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. BB 28
Effective Date January 26, 1999

SECTION V HEALTH HAZARD DATA

BB 28

Threshold Limited Value

TWA: 0.5 mg/m³ as Barium ACGIH 1992-93.
Toxicity data: LD50 orl-rat: 418 mg/Kg.

Effects of Overexposure

INHALATION: Coughing, sore throat and shortness of breath. **SKIN:** May cause dermatitis. **EYES:** May cause severe eye burns. **INGESTION:** Vomiting and violent diarrhea. Cardiovascular or skin disease may be at increased risk from exposure. Also, chronic respiratory may be at risk.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. 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. 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. Treat symptomatically. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature and heat. Acid and acid fumes.
	Stable	X	

Incompatibility (Materials to Avoid)	Avoid contact with acids. Violent reaction with bromine trifluoride. 2-Furanpercarboxylic acid.
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Hazardous Decomposition Products	Acids (HCl, HNO ₃) will convert barium carbonate to soluble barium compounds and carbon oxides.
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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	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Flush spill area with water. Do not allow wash water to pollute water ways and streams.
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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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Contaminated residue and sweepings are considered a toxic waste and must be disposed of in a licensed toxic waste dump. Contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Work in ventilation hood. If dusty conditions prevail, 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, lab coat, vented hood, proper gloves, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acids. 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.
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Use with adequate ventilation. Keep container tightly closed when not in use. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.

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

Revision No. 6	Date 1/26/99	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	BARIUM CARBONATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	Witherite, Carbonic acid barium salt	
Formula	BaCO ₃	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	513-77-9	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Barium Carbonate	99%	See Section V.
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WARNING! HARMFUL OR FATAL IF INHALED OR SWALLOWED.	
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SKIN OR EYE CONTACT MAY CAUSE IRRITATION.	
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SECTION III PHYSICAL DATA

Melting Point (°F)	811°C (1491°F)	Specific Gravity (H ₂ O = 1)	4.43
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Boiling Point (°F)	1450°C (2642°F) dec.	Percent Volatile by Volume (%)	Not applicable.
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Vapor Pressure (mm Hg)	N/A	Evaporation Rate (≈1)	Not applicable.
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Vapor Density (Air=1)	N/A
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Solubility in Water	Insoluble.
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Appearance & Odor	Gray white granular solid or powder; no odor.
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SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

An NIOSH/MSHA-approved self-contained breathing apparatus should be worn for protection against barium-containing dust, mist or fumes. Wear full protective clothing in fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS	Fire or excessive heat may produce hazardous decomposition products as dust or fumes as barium and oxides of sulfur (SO _x).
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Fire or excessive heat may produce hazardous decomposition products as dust or fumes as barium and oxides of sulfur (SO_x).

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