



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. BB 65
Effective Date February 27, 1998

SECTION V HEALTH HAZARD DATA

BB 65

Threshold Limited Value

ACGIH 1992-93: TWA 10 mg/m³.

Effects of Overexposure

This product is considered non-hazardous. **INHALATION:** Low hazard for usual laboratory handling. **SKIN:** Low hazard for usual laboratory handling. **EYES:** No specific hazard known. Contact may cause transient irritation. However, impurities may be toxic to some extent. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If discomfort or illness develops, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Aluminum (powdered). Explosive reaction. Phosphorus.
--------------------------------------	--

Hazardous Decomposition Products	Thermal decomposition products may include toxic and hazardous oxides of sulfur and barium. Barium as dust, mist or fumes, soluble salts.
----------------------------------	---

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	Using adequate ventilation, sweep up carefully to recover as much uncontaminated material as possible. Residue can be disposed of as non-hazardous waste.
---	---

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.
-----------------------	--

Dispose of in accordance with Federal, State and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. 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	Adequate to maintain below exposure limit.

Protective Gloves	General purpose.	Eye Protection	Chemical safety glasses.
-------------------	------------------	----------------	--------------------------

Other Protective Equipment	Goggles, smock, apron, proper gloves, ventilation hood, eye wash station.
----------------------------	---

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. 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.
-------------------	---

Remove and wash contaminated clothing.

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

Revision	No. 4	Date	2/27/98	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

Product	BARIUM SULFATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4
Chemical Synonyms	Synthetic Barytes	
Formula	BaSO ₄	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	7727-43-7	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Barium Sulfate	100%	None established.
Barium (as the element)	58.8%	

LOW HAZARD MATERIAL FOR USUAL LABORATORY HANDLING.

SECTION III PHYSICAL DATA

Melting Point (°F)	1580°C (2876°F)	Specific Gravity (H ₂ O = 1)	4.25-4.5 @ 15°C.
Boiling Point (°F)	Decomposes above 1600°C (2912°F)	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (≈1)	Not applicable.
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	1 gram dissolves in 400,000 grams water.		
Appearance & Odor	White, fine, heavy powder or polymorphous crystals; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable solid.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
				-----	-----

Extinguisher Media	Use any media suitable for extinguishing supporting fire.
--------------------	---

SPECIAL FIREFIGHTING PROCEDURES

A NIOSH/MSHA-approved self-contained breathing apparatus should be worn for protection against barium-containing dust, mist or fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products of barium and oxides of sulfur (SO_x).

D.O.T. NON-REGULATED.

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