



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 105
Effective Date October 6, 1998

SECTION V HEALTH HAZARD DATA

BB 105

Threshold Limited Value OSHA PEL/TWA as nuisance dust: 10mg/m³, respirable: 5mg/m³. Toxicity data: LD50 (orl-rat) 2530 mg/Kg.

Effects of Overexposure **INHALATION:** Dust or vapor causes irritation of upper respiratory tract. **INGESTION:** Of large quantities can cause nausea, gastorintestinal disorder and/or allergic response. Excessive contact with the skin can be irritating. Molten form will cause thermal burns. **EYES:** Contact is extremely irritating and can be corrosive.

Emergency and First Aid Procedures **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Wash exposed area with soap and water. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. **INGESTION:** If swallowed, if conscious, give large amounts of milk or water to drink. 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) Strong oxidizing agents.

Hazardous Decomposition Products Thermal-oxidative degradation can produce toxic vapors and gases including phenol, benzene, and carbon monoxide.

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 Avoid making dust. Sweep up spill and place in a suitable container for proper disposal.

SECTION VIII SPECIAL PROTECTION INFORMATION

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 an approved incinerator or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) As powder-none normally required. Molten form-in emergency use NIOSH/MSHA-approved self-contained breathing apparatus; work in ventilation hood.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

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

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place. Care must be exercised with molten material to avoid fumes and skin and eye contact. 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.

When heated sublimates emitting highly acrid fumes. Remove and wash contaminated clothing.

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

Revision No. 5	Date 10/6/98	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	BENZOIC ACID	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	1	Reactivity	1
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	1																	
Reactivity	1																	
Chemical Synonyms	Benzenecarboxylic acid																	
Formula	C ₆ H ₅ COOH																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	65-85-0																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Benzoic Acid	100%	None established.

WARNING! HARMFUL IF SWALLOWED. DUST OR VAPOR MAY CAUSE IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.

SECTION III PHYSICAL DATA

Melting Point (°F)	121.7°C (249.8°F)	Specific Gravity (H₂O = 1)	1.321
Boiling Point (°F)	249.2°C (480°F)	Percent Volatile by Volume (%)	Sublimes at 100°C.
Vapor Pressure (mm Hg)	1 mm at 96.0°C (Sublimes).	Evaporation Rate	(=1) Not applicable.
Vapor Density (Air=1)	4.21		
Solubility in Water	Slight.		
Appearance & Odor	White crystals; characteristic odor of benzaldehyde or benzoin.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	121°-131°C (249°-267°F) cc	Flammable Limits in Air % by Volume	Lower Unknown	Upper -----
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Extinguisher Media Water (spray or mist), dry chemical, carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear full protective clothing and a NIOSH/MSHA approved self-contained breathing apparatus when fighting fires involving this material.

Autoignition temperature: 573°C (1065°F).

UNUSUAL FIRE AND EXPLOSION HAZARDS

This combustible material is a slight fire hazard when exposed to heat or flames; can react with oxidizing materials. When heated sublimates emitting highly acrid fumes.

D.O.T. NON-REGULATED.

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