



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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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/m<sup>3</sup>, respirable: 5mg/m<sup>3</sup>. 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, gastrointestinal 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.

**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** May Occur Will Not Occur Not applicable.

## 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.

**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.

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

When heated sublimates emitting highly acid 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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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	BENZOIC ACID
<b>Chemical Synonyms</b>	Benzenecarboxylic acid
<b>Formula</b>	C <sub>6</sub> H <sub>5</sub> COOH
<b>Unit Size</b>	up to 2.5 Kg.
<b>C.A.S. No.</b>	65-85-0

1  
2  
0

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## 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 (H <sub>2</sub> O = 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

<b>Flash Point (Method Used)</b>	121°-131°C (249°-267°F) cc	<b>Flammable Limits in Air % by Volume</b>	Lower Unknown	Upper
<b>Extinguisher Media</b>	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 acid fumes.

D.O.T. NON-REGULATED.

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