



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 112  
Effective Date January 27, 1999

## SECTION V HEALTH HAZARD DATA

BB 112

**Threshold Limited Value** TWA: 5 mg/m<sup>3</sup> (ACGIH 1992-93). Toxicity Data: (acute orl-rat) Not a toxic substance at 5000 mg/Kg. (acute inhalation rats) LC50 12mg/m<sup>3</sup>(man)(pure BPO)

**Effects of Overexposure**  
**INHALATION:** Dust or vapor causes irritation of upper respiratory tract.  
**EYES:** Contact is irritating.  
**SKIN:** Non irritating.

**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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult physician. **INGESTION:** If swallowed, if conscious, give large amounts of milk or water to drink. **DO NOT INDUCE VOMITING.** Get medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>	X	<b>Conditions to Avoid</b>	DANGEROUS-May explode spontaneously. Avoid excessive temperature, heat, sparks and flame.
	<b>Stable</b>			

**Incompatibility (Materials to Avoid)** Reacts violently with strong acids, strong alkalis, strong oxidizers, amines, polymerization accelerators, alcohols.

**Hazardous Decomposition Products** Decomposition products are flammable.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Wet material with soapy water, sweep up spill using non-sparking tools and place in a suitable container for disposal. Wash spill area with soap and water.

**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.

Consult with an Elf Atochem representative for the telephone number of your states hazardous waste agency: P.O. Box 59209, Three Parkway, Philadelphia, PA 19102 TEL: 1-800-558-5575.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** Local exhaust ventilation required. Use a NIOSH/MSHA approved respirator. Do not use in confined areas.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**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. Do not store near combustibles. Keep away from heat, sparks or flames. 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.  
Store below 38°C (100°F) to maintain active oxygen content. Do not get in eyes, on skin or clothing. Do not breathe dust, vapor, mist or gas. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 3	<b>Date</b> 1/27/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	BENZOYL PEROXIDE	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 2 Fire 4 Reactivity 3
<b>Chemical Synonyms</b>	Dibenzoyl Peroxide	
<b>Formula</b>	(C <sub>6</sub> H <sub>5</sub> CO) <sub>2</sub> O <sub>2</sub>	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	94-36-0	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Benzoyl peroxide	98.5%	TWA: 5mg/m <sup>3</sup>
<b>DANGER! STRONG OXIDIZER.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	103-105°C (217-221°F)	Specific Gravity (H <sub>2</sub> O = 1)	Not listed.
Boiling Point (°F)	Decomposes explosively.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate ( =1)	Not applicable.
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble in water.		
Appearance & Odor	Fine white granular; faint to no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	N/A	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Water spray, water fog, dry chemical, foam.				

**SPECIAL FIREFIGHTING PROCEDURES** Firefighters should wear full protective clothing and a NIOSH/MSHA approved self-contained breathing apparatus when fighting fires involving this material. Evacuate area and fight fire from a safe distance. Cool surrounding material with water. A powerful oxidizer which poses a moderate fire hazard by spontaneous reaction to reducing agents.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 146)

**UNUSUAL FIRE AND EXPLOSION HAZARDS** S.A.D.T. (Self Accelerating Decomposition Temperature)= 68°C, 1 pound bag. This material is a moderate explosion hazard when heated to above melting point or when overheated under confinement.

D.O.T. Organic peroxide Type B, solid, (Dibenzoyl peroxide), 5.1, UN 3102, PG II

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