



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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(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

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

Incompatibility (Materials to Avoid)	Reacts violently with strong acids, strong alkalis, strong oxidizers, amines, polymerization accelerators, alcohols.
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Hazardous Decomposition Products	Decomposition products are flammable.
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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	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.
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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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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.
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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, smock, apron, proper gloves, eye wash station, ventilation hood.
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## 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.
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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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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.

Revision No. 3	Date 1/27/99	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	BENZOYL PEROXIDE	<div><div><div>4</div><div>1</div><div>4</div><div>OXY</div></div><div>CHEMTREC 800-424-9300 Day 716-226-6177</div><div>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</div><div>HMIS * 3 4</div></div>
Chemical Synonyms	Dibenzoyl Peroxide	
Formula	(C <sub>6</sub> H <sub>5</sub> CO) <sub>2</sub> O <sub>2</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	94-36-0	

## SECTION II INGREDIENTS OF MIXTURES

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

## 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

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	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.
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(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 146)

UNUSUAL FIRE AND EXPLOSION HAZARDS	
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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
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20