



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. SS 725  
Effective Date May 5, 1999

## SECTION V HEALTH HAZARD DATA

SS 725

### Threshold Limited Value

None established.  
Recommended maximum exposure limit in air of 5 mg/m<sup>3</sup>

### Effects of Overexposure

Causes severe eye burns. Do not get in eyes. May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, rinse mouth with water. Get medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Temperatures above 32°C (90°F) should be avoided.

Incompatibility (Materials to Avoid)	Mixtures containing heavy metal salts, combustible organic matter or moisture.
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Hazardous Decomposition Products	Gradually releases controlled amounts of oxygen; not considered hazardous under foreseeable circumstances.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
Not applicable.	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid raising dust. Sweep up 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.  Dispose of in an approved chemical landfill or contract with a licensed waste disposal agency.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, apron, ventilation hood, eye wash station, proper gloves.			

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool place away from contamination and heavy metal salts or combustible organic material. Wash thoroughly after handling.
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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.
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Do not get in eyes, on skin or clothing. Avoid breathing dust. 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	5/5/99	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	SODIUM PERBORATE TETRAHYDRATE
Chemical Synonyms	Sodium Perborate Peroxyhydrate
Formula	NaBO <sub>3</sub> •4H <sub>2</sub> O
Unit Size	up to 2.5 KG.
C.A.S. No.	10486-00-7

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	2
Fire	0
Reactivity	1

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Perborate	100%	None established.
WARNING! CAUSES SEVERE EYE BURNS.		
AVOID BREATHING DUST.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	63°C (145°F)	Specific Gravity (H <sub>2</sub> O = 1)	0.69 to 0.87 @ 20°C
Boiling Point (°F)	130-150°C (266-302°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	10 mmHg @ 25°C (77°F)	Evaporation Rate (Water = 1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	3.75 grams @ 32°C (90°F)		
Appearance & Odor	White, crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Releases oxygen at high temperatures. Fire hazard: Slight, by chemical reaction: an oxidizer. Practically non-hazardous unless mixed with highly combustible or reactive organic compounds.

D.O.T. NON-REGULATED.

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