



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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Avon, New York 14414  
(716) 226-6177

MSDS No. HH 180  
Effective Date March 8, 1999

## SECTION V HEALTH HAZARD DATA

HH 180

### Threshold Limited Value

TWA: 1 ppm; 1.4 mg/m<sup>3</sup> (Air). ACGIH 1992-93.  
Material decreases in hazard as H<sub>2</sub>O<sub>2</sub> concentration decreases.

### Effects of Overexposure

**EYES:** May cause irritation on contact. **SKIN:** Prolonged contact with skin may produce irritation. **INGESTION:** May be harmful if swallowed. 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 thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid	Stability decreased by strong sunlight, heat, mixing.
		X		

Incompatibility (Materials to Avoid)	Do not add anything to this container - as violent reaction may occur. Readily reacts with reducing agents, organic materials, dirt, rust, metals.
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Hazardous Decomposition Products	Decomposes to water and oxygen.
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Hazardous Polymerization	Conditions to Avoid	
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Dilute with water to 1% or less and flush to sewer with copious amounts of 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.  Dilute with water to 1% or less and flush to sewer with copious amounts of water.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.
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Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, eye wash station, goggles, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dark place. Protect from strong sunlight, reducing agents and organics. Check after one year. Beware of bulging containers, which can burst from pressure.
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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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Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. 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	3/8/99	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	HYDROGEN PEROXIDE 3%
Chemical Synonyms	Hydrogen Peroxide 3%
Formula	Mixture.
Unit Size	up to 55 gal.
C.A.S. No.	Mixture.

0

1

1

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

Health 0  
Fire 0  
Reactivity 1

NFPA  
HAZARD RATING

LEAST SLIGHT MODERATE HIGH EXTREME

0 1 2 3 4

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Hydrogen Peroxide (Stabilized Acetanilide): (CAS No. 7722-84-1)	3%	See Section V.
Acetanilide: (CAS No. 103-84-4)	0.05%	None assigned.
Water: (CAS No. 7732-18-5)	97%	

**CAUTION! IRRITANT. MAY CAUSE IRRITATION TO SKIN AND EYES ON CONTACT.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.00
Boiling Point (°F)	100°C (212°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	None	Lower	Upper
Extinguisher Media	Use water in large quantities for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

Use water in large amounts to fight fire in which this material is involved. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and eye protection.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Hydrogen peroxide is non-flammable, but it provides oxygen to facilitate or initiate burning of surrounding combustibles.

D.O.T. NON-REGULATED.

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