



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. DD 12
Effective Date February 20, 1999

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	DEIONIZED WATER	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * HIGH EXTREME 3 4</p>	Health	0
Chemical Synonyms	Hydrogen Oxide		Fire	0
Formula	H ₂ O		Reactivity	0
Unit Size	up to 55 gallons			
C.A.S. No.	7732-18-5			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Deionized Water	100%	None established.
NON-HAZARDOUS.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	0.99707 @ 20°/20°C
Boiling Point (°F)	100°C (212°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Colorless, odorless liquid.		

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	Not applicable.				

SPECIAL FIREFIGHTING PROCEDURES	Not applicable.
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UNUSUAL FIRE AND EXPLOSION HAZARDS

Avoid contact with Dangerous when wet and water reactive materials. See Section VI.

D.O.T. **NON-REGULATED.**

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

SECTION V HEALTH HAZARD DATA

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Threshold Limited Value None established.

Effects of Overexposure None known when used at normal standard temperature and pressure. **EYES:** Contact with eyes should have no ill effects although contact with any material not specifically labeled for eye use or care should be avoided.

Emergency and First Aid Procedures **EYES:** In case of contact, flush with tap water. If irritation develops or persists, get medical attention. **SKIN:** Not applicable. **INHALATION:** Not applicable. **INGESTION:** If ill effects develop, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid Transferring to metal containers. Absorption of fumes and carbon dioxide gas.
	Stable	X	

Incompatibility (Materials to Avoid) Water reactive metals: sodium, potassium, calcium, barium; alkali metal alloys, liquid, amalgams, amides, carbides, hydrides, aluminum powders, sillicides, cerium, concentrated acids.

Hazardous Decomposition Products Electrolysis will produce explosive and flammable hydrogen and oxygen.

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 Uncontaminated material may be flushed to sewer.

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. Uncontaminated material may be flushed to sewer.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Not applicable.			
Ventilation	Local Exhaust	None required.	Special	No.
	Mechanical (General)	None required.	Other	No.
Protective Gloves	None required.	Eye Protection	Chemical safety glasses.	
Other Protective Equipment	Lab coat, eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Avoid contamination. Keep container tightly closed to avoid absorption of fumes and carbon dioxide for air. 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. This material when produced meets high purity water standards. There is no assurance that this material will remain uncontaminated in normal use, therefore, use caution when making contact with this material.

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

Revision No. 4	Date 2/20/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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