




**ALDON  
CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W.Henrietta Rd.  
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(716) 226-6177

MSDS No. DD 60  
Effective Date February 22, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	DISINFECTANT SOLUTION	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 1 Fire 0 Reactivity 1
<b>Chemical Synonyms</b>	Plant Disinfectant Solution	
<b>Formula</b>	Mixture. See Section II.	
<b>Unit Size</b>	up to 4 Lt.	
<b>C.A.S. No.</b>	Mixture. See Section II.	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Hypochlorite: (CAS No. 7681-52-9)	3%	See Section V.
Water: (CAS No. 7732-18-5)	97%	None established.
<b>CAUTION! HARMFUL IF INHALED. CAUSES SKIN AND EYE IRRITATION. MAY BE HARMFUL IF SWALLOWED.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.07 @ 20°C
Boiling Point (°F)	100°C (212°F) (dec).	Percent Volatile by Volume (%)	97%
Vapor Pressure (mm Hg)	4000 mm @ 20°C (Chlorine).	Evaporation Rate (Ether = 1)	Greater than 1 (water).
Vapor Density (Air=1)	2.58 (Chlorine).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, slight yellow liquid; chlorine odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous chlorine and/or hydrogen chloride fumes.

## SECTION V HEALTH HAZARD DATA DD 60

<b>Threshold Limited Value</b>	None established for this material by (ACGIH 1992-93). TWA as Chlorine [CAS No. 7782-50-5] 1 ppm; 3 mg/m <sup>3</sup> (AIR).
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<b>Effects of Overexposure</b>	<b>INHALATION:</b> Vapors are irritating to the upper respiratory tract. Prolonged exposure may result in delayed pulmonary edema. <b>EYES:</b> Contact with the liquid or vapors causes irritation. <b>SKIN:</b> Causes irritation. <b>INGESTION:</b> May cause irritation of mucous membranes, esophageal or gastric perforation.
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<b>Emergency and First Aid Procedures</b>	<b>INHALATION AS MIST:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention. <b>EYES:</b> Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. <b>SKIN:</b> Flush thoroughly with water, then wash with mild soap and water. <b>INGESTION:</b> 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.
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## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>	<b>Conditions to Avoid</b>	Excessive temperature and heat. Protect from sunlight.
	<b>Stable</b>	X	

<b>Incompatibility (Materials to Avoid)</b>	Reducing materials. Contact with Hydrochloric acid liberates chlorine gas.
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<b>Hazardous Decomposition Products</b>	Thermal decomposition or burning may produce hydrogen chloride (HCl) and/or chloride gas.
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<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

<b>Steps to be taken in case material is released or spilled</b>	Dilute with water and flush to sewer with copious amounts of water.
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<b>Waste Disposal Method</b>	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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Dilute with water and flush to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed in normal laboratory handling. At elevated temperatures work in ventilation hood.
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<b>Ventilation</b>	<b>Local Exhaust</b>	<b>If needed.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>If needed.</b>	<b>Other</b>	<b>No.</b>

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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<b>Other Protective Equipment</b>	Lab coat, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

<b>Precautions to be Taken in Handling &amp; Storing</b>	Store in a cool place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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<b>Other Precautions</b>	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b>	No. 4	<b>Date</b>	2/22/99	<b>Approved</b>	Michael Raszeja	<b>Chemical Safety Coordinator</b>	MR
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20