



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

Product	DISINFECTANT SOLUTION		
Chemical Synonyms	Plant Disinfectant Solution		
Formula	Mixture. See Section II.		
Unit Size	up to 4 Lt.		
C.A.S. No.	Mixture. See Section II.		

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

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

Health	1
Fire	0
Reactivity	1

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.

CAUTION! HARMFUL IF INHALED. CAUSES SKIN AND EYE IRRITATION. MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ 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

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	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.

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

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

SECTION V HEALTH HAZARD DATA DD 60

Threshold Limited Value None established for this material by (ACGIH 1992-93). TWA as Chlorine [CAS No. 7782-50-5] 1 ppm; 3 mg/m³ (AIR).

Effects of Overexposure **INHALATION:** Vapors are irritating to the upper respiratory tract. Prolonged exposure may result in delayed pulmonary edema. **EYES:** Contact with the liquid or vapors causes irritation. **SKIN:** Causes irritation. **INGESTION:** May cause irritation of mucous membranes, esophageal or gastric perforation.

Emergency and First Aid Procedures **INHALATION AS MIST:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get 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		Conditions to Avoid	Excessive temperature and heat. Protect from sunlight.
	Stable	X		

Incompatibility (Materials to Avoid) Reducing materials. Contact with Hydrochloric acid liberates chlorine gas.

Hazardous Decomposition Products Thermal decomposition or burning may produce hydrogen chloride (HCl) and/or chloride gas.

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 Dilute with water and flush to sewer with copious amounts of water.

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 and flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. At elevated temperatures work in ventilation hood.			
Ventilation	Local Exhaust	If needed.	Special	No.
	Mechanical (General)	If needed.	Other	No.
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.	
Other Protective Equipment	Lab coat, proper gloves, eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool place. Wash thoroughly after handling. 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.
Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.

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

Revision No. 4	Date 2/22/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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