



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. SS 441
Effective Date April 29, 1999

SECTION V HEALTH HAZARD DATA SS 441

Threshold Limited Value None established. LD₅₀ rats-3750 mg/kg. No published data indicating salt is a hazardous material to handle.

Effects of Overexposure **EYES AND SKIN:** Considered as mild irritant. Gross overexposure, over a long period of time, results in dehydration. **INGESTION:** Of large amounts (more than 0.1 pound) may cause vomiting. **INHALATION:** Dust leaves taste with mild irritation to mucous membrane in nose and throat.

Emergency and First Aid Procedures
Flush affected areas with water, provide drinking water.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable	X		

Incompatibility (Materials to Avoid) Electrolysis can produce chlorine gas. None - provided the salt is dry. Concentrated acid such as sulfuric and nitric.

Hazardous Decomposition Products Electrolysis can produce chlorine gas.

Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid	Not applicable.
		X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Flush the aqueous solution down drain with plenty 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.

Flush the aqueous solution down drain with plenty of water.

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.

Ventilation	Local Exhaust	Not required.	Special	No.
	Mechanical (General)	Not required.	Other	No.

Protective Gloves Rubber if skin is abraded. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves.

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.

Remove and wash contaminated clothing.

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

Revision No. 2	Date 4/29/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employees 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 CHLORIDE 1.0 MOLAR SOLUTION	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS *	Health	0
Chemical Synonyms	Sodium Chloride, Aqueous Solution		Fire	0
Formula	Mixture. See Section II.		Reactivity	0
Unit Size	up to 4 Lt.			
C.A.S. No.	Mixture. See Section II.			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Chloride: (CAS No. 7647-14-5)	5.8%	None established.
Water: (CAS No. 7732-18-5)	94.2%	None established.

LOW HAZARD FOR USUAL LABORATORY

HANDLING. NON-TOXIC.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H₂O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	94.2%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white liquid, water solution; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard. There are no unusual fire and explosion hazard associated with this solution.

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

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