



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. SS 441  
Effective Date April 29, 1999

## SECTION V HEALTH HAZARD DATA

SS 441

**Threshold Limited Value** None established. LD<sub>50</sub> 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** **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** 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

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

<b>Product</b>	SODIUM CHLORIDE 1.0 MOLAR SOLUTION
<b>Chemical Synonyms</b>	Sodium Chloride, Aqueous 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.

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

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

HMIS \*  
Health 0  
Fire 0  
Reactivity 0

## 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 (H <sub>2</sub> O = 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

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