



**ALDON CORPORATION**

**MATERIAL SAFETY DATA SHEET**

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

MSDS No. SS 450  
Effective Date February 3, 1998

**SECTION V HEALTH HAZARD DATA** SS 450

**Threshold Limited Value** None established. RTECS No. VZ4725000 Toxicity data: LD50 Ori-rat 3000 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**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Wet conditions can cause caking and/or corrosion.
	<b>Stable</b>	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.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled** Sweep up and place in a suitable container. Sweep up and flush with water. No special hazards connected with leaks or spills.

**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.  
Dry landfill or dissolve in sufficient amounts of water to meet existing water quality standards.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

**Respiration Protection (Specify Type)** None should be needed in normal laboratory use. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.

<b>Ventilation</b>	<b>Local Exhaust</b>	Yes, if dusty.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Yes, if dusty.	<b>Other</b>	No.

**Protective Gloves** None needed. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Lab coat, eye wash station.

**SECTION IX SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing** Store in a dry place with relative humidity below 75% to prevent deliquescence. 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.  
Gloves are usually not necessary unless open skin is present.

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

<b>Revision</b> No. 5	<b>Date</b> 2/3/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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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	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 1 Fire 0 Reactivity 0
<b>Chemical Synonyms</b>	Common Salt; Rock Salt	
<b>Formula</b>	NaCl	
<b>Unit Size</b>	up to 180 Kg.	
<b>C.A.S. No.</b>	7647-14-5	

**SECTION II INGREDIENTS OF MIXTURES**

Principal Component(s)	%	TLV Units
Sodium Chloride	100%	None established.

**LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.**

**SECTION III PHYSICAL DATA**

<b>Melting Point (°F)</b>	804°C (1479°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.163 at 25°C
<b>Boiling Point (°F)</b>	1413°C (2575°F)	<b>Percent Volatile by Volume (%)</b>	Negligible as solid.
<b>Vapor Pressure (mm Hg)</b>	1 mm at 865°C (1589°F)	<b>Evaporation Rate ( =1)</b>	Non-volatile (NA).
<b>Vapor Density (Air=1)</b>	Not listed.		
<b>Solubility in Water</b>	1 gram dissolves in 2.8 mL. water at 25°C.		
<b>Appearance &amp; Odor</b>	White crystals, granular or powder; no odor.		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used)</b>	Not flammable (NA).	<b>Flammable Limits in Air % by Volume</b>	NA	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Use any media suitable for extinguishing supporting fire.				

**SPECIAL FIREFIGHTING PROCEDURES**

Salt is non-flammable. This section does not apply. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and eye protection.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

When sodium chloride is heated to high temperatures, a vapor is emitted which is irritating to the eyes, particularly.

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

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