



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 631  
Effective Date February 26, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	SODIUM IODIDE 0.1 M - 1.0 M AQ. SOL'N	 <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> 0 1 2 3 4
<b>Chemical Synonyms</b>	Sodium Iodide, Water 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 Iodide: (CAS No. 7681-82-5)	1.5 - 14.92%	None established.
Water: (CAS No. 7732-18-5)	85.08 - 98.5%	None established.

**WARNING! HARMFUL IF SWALLOWED.**

## 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 (%)	85.08 - 98.5%
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, water like liquid; 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	Lower	Upper
<b>Extinguisher Media</b>	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

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

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

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

## SECTION V HEALTH HAZARD DATA

SS 631

**Threshold Limited Value** Not established for this mixture. (ACGIH 1992-93).

**Effects of Overexposure** **EYES:** May cause irritation. **SKIN:** May cause irritation. **INGESTION:** Acute ingestion may cause gastrointestinal irritation and in some individuals hypersensitivity. Chronic ingestion may result in "Iodism" which is characterized by sneezing, salivation, runny nose, headache, fever, mucous membrane irritation and various skin rashes.

**Emergency and First Aid Procedures** **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION AS MIST:** Remove to fresh air.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat to cause evaporation.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Avoid contact with strong acids and strong oxidants.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce iodine and sodium oxide.

<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

**Steps to be taken in case material is released or spilled** Absorb with an inert dry material and place in an appropriate container for proper disposal. Wash spill area thoroughly with soap and 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 aqueous solution down drain with plenty of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
<b>Ventilation</b>	<b>Local Exhaust</b>	No.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Not required.	<b>Other</b>	Not required.
<b>Protective Gloves</b>	Rubber - may cause irritation on long exposure.	<b>Eye Protection</b>	Chemical safety glasses.	
<b>Other Protective Equipment</b>	Lab coat, apron, eye wash station, proper gloves.			

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool place away from incompatible substances. 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.

<b>Revision</b> No. 6	<b>Date</b> 2/26/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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