



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. SS 620
Effective Date January 28, 1998

SECTION V HEALTH HAZARD DATA

SS 620

Threshold Limited Value

Not established. (ACGIH 1993-94). Oral LD50 (Rat) 4340 mg/kg.

Effects of Overexposure

INHALATION: Breathing Sodium iodide dust can irritate nose and throat.
EYES: May cause severe irritation. **SKIN:** Causes irritation. **INGESTION:** May Cause stomach irritation and vomiting. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **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. **INHALATION AS MIST:** Remove to fresh air. If illness or discomfort develops, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature and heat. Protect from light.
	Stable	X	

Incompatibility (Materials to Avoid)	Avoid contact with strong acids and strong oxidants. Metallic salts, chloral hydrate, perchloric acid, bromine trifluoride.
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Hazardous Decomposition Products	When heated it decomposes to release iodine and sodium oxide. In presence of strong acids can liberate hydrogen iodide, in presence of strong oxidants can liberate iodine.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Spills can be flushed away with water, in which sodium iodide is readily soluble.
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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. Solutions resulting from flushing spills or leaks can safely be disposed of through sewage system except where local regulations may prohibit such disposal.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.

Other Protective Equipment	Goggles, lab coat, eye wash station, ventilation hood, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Slightly hygroscopic. Store in a cool, dry place away from oxidizing materials. Protect from light. Wash thoroughly after handling.
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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.
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Avoid contact with skin, eyes and clothing. Avoid inhalation.
Remove and wash contaminated clothing.

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

Revision	No. 5	Date	1/28/98	Approved	Michael Raszeja	Chemical Safety Coordinator	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

Product	SODIUM IODIDE
Chemical Synonyms	Ioduril
Formula	Nal
Unit Size	up to 2.5 Kg.
C.A.S. No.	7681-82-5

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

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

Health	1
Fire	0
Reactivity	1

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Iodide	100%	None established.
WARNING! HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	653°C (1207°F)	Specific Gravity (H ₂ O = 1)	3.667 at 22°C
Boiling Point (°F)	1304°C (2379°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	1mm at 767°C	Evaporation Rate (n-Butyl Acetate =1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	1 gram dissolves in 0.5 mL. water at 25°C.		
Appearance & Odor	White crystals or powder, slowly becomes brown in air due to liberation of iodine; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	-----	Upper	-----
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 and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Thermal decomposition or burning may produce Hydrogen iodide gas and/or iodine gas. Avoid contact with strong acid and strong oxidizing agents.

D.O.T. NON-REGULATED.

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