



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. PP 630
Effective Date November 16, 1998

SECTION V HEALTH HAZARD DATA

PP 630

Threshold Limited Value None established for this mixture. (ACGIH 1992-93). Toxicity data: (as KI) Acute Oral LD50 (Rat) >1600 mg/kg.

Effects of Overexposure **EYES:** No specific hazard known. **SKIN:** Low hazard for usual laboratory handling. **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

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

Incompatibility (Materials to Avoid) Alkaloidal Salts, Chloral Hydrate, Acids, Calomel, Potassium Chlorate, Metallic Salts.

Hazardous Decomposition Products Iodine fumes.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	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 - may cause irritation on long exposure.	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. Protect from light. 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.

Avoid contact with skin and eyes.
Remove and wash contaminated clothing.

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

Revision No. 3	Date 11/16/98	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

Product	POTASSIUM IODIDE, 0.1 N / 0.1 M
Chemical Synonyms	Potassium Iodide, Water Solution
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

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

Health	1
Fire	0
Reactivity	0

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Iodide: (CAS No. 7681-11-0)	1.66%	None established.
Water: (CAS No. 7732-18-5)	98.34%	None established.

WARNING! HARMFUL IF SWALLOWED.

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 (%)	98.34%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Slightly <1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, 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
				-----	-----

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

When heated to decomposition, emits toxic and corrosive fumes of iodine.

D.O.T. NON-REGULATED.

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