



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. PP 610  
Effective Date April 19, 1999

## SECTION V HEALTH HAZARD DATA

PP 610

**Threshold Limited Value** None established. (ACGIH 1992-93). Classification: Toxicity data: Acute Oral LD50 (Rat) >1600 mg/kg. Slightly toxic.

**Effects of Overexposure** **TARGET ORGANS AFFECTED:** Thyroid. **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. **INHALATION AS MIST:** May cause irritation to respiratory tract.

**Emergency and First Aid Procedures** **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention.

## SECTION VI REACTIVITY DATA

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

**Incompatibility (Materials to Avoid)** Alkaloidal Salts, Chloral Hydrate, Acids, Calomel, Potassium Chlorate, Metallic Salts, Diazonium Salts; Diisopropyl peroxydicarbonate, Oxidants; BrF<sub>3</sub>; ClF<sub>3</sub>; FClO<sub>4</sub>.

**Hazardous Decomposition Products** Iodine fumes, iodine compounds, and potassium oxide.

<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 for proper disposal. Flush spill area with 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.

Dissolve in water and flush to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
--------------------------	---------	-----------------------	--------------------------

**Other Protective Equipment** Smock, apron, eye wash station, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry 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, eyes and clothing. Use with adequate ventilation. 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. 5	<b>Date</b> 4/19/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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>	POTASSIUM IODIDE	 <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 FIRE REACTIVITY 2 0 1
<b>Chemical Synonyms</b>	Potassium Iodide	
<b>Formula</b>	KI	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	7681-11-0	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Iodide	100%	See Section V.
<b>WARNING! HARMFUL IF SWALLOWED.</b>		
<b>CONTACT WITH STRONG OXIDIZERS</b>		
<b>MAY CAUSE FIRE OR EXPLOSION.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	723°C (1333°F)	Specific Gravity (H <sub>2</sub> O = 1)	3.123 at 20°C
Boiling Point (°F)	1330°C (2426°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	1 mm at 745°C	Evaporation Rate (n-Butyl Ac. =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	140 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless or white crystals, granules or powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Flood with water spray or fog.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

### 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