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# IMPORTANT MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL  
 OSHA requires that this form be kept on file.

**Product No.** KM 626 M  
**Product Name** IODINE POTASSIUM IODIDE  
 SOLUTION

CHEM-REC 800-424-9300  
 REPEATING

Health Hazard	3
Flammability	0
Reactivity	1

MODERATE  
 SLIGHT  
 & MINIMAL

SECTION I	NAME
Chemical Synonyms	Iodine-iodide Solution
Formula	mixture
C.A.S. No.	See Section II

## SECTION II PHYSICAL AND CHEMICAL PROPERTIES OF MIXTURES

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
* Iodine CAS# 7553-56-2	1	0.1 ppm	0.1 ppm
Potassium Iodide CAS# 7681-11-0	2	None	Established
Water (nonhazardous)	Bal.		

\* chemical subject to the reporting requirements of SARA Title III.

Melting Point (°F)	N/A	Specific Gravity (H <sub>2</sub> O=1)	1.00
Boiling Point (°F)	212°F	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (..... =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Clear brown solution.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	Lower	Upper
Extinguisher Media	Use extinguishing media appropriate for supporting fire.			

**Special Firefighting Procedures**  
 Wear self-contained breathing apparatus for any fire.

**Unusual Fire and Explosion Hazards**  
 None

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D.O.T. Not Regulated

See Section II 9228

**Effects of Overexposure**  
 Contact with skin and eyes may cause severe irritation or burns. Ingestion may cause nausea, vomiting and loss of consciousness. Vapors may be irritating to skin, eyes and mucous membranes.

**Emergency and First Aid Procedures**  
 Call a physician. In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If swallowed, do NOT induce vomiting. If conscious, give water, milk or milk of magnesia.

## SECTION VI REACTIVITY DATA

Stability	Conditions to Avoid
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	N/A
Incompatibility (Materials to Avoid)	N/A
Hazardous Decomposition Products	N/A
Hazardous Polymerization	Conditions to Avoid
May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	N/A

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:**  
 Wear protective equipment. Stop leak if it can be done without risk. Take up with sand or other non-combustible absorbant material and place into container for 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. Dispose in accordance with all applicable federal, state and local environmental regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	NIOSH approved respirator if fuming occurs.		
Ventilation	Local Exhaust	X	Special
	Mechanical (General)		Other
Protective Gloves	Rubber gloves	Eye Protection	Splash goggles
Other Protective Equipment	Lab coat		

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
 Keep container tightly closed when not in use.  
 Store in corrosive-proof area. Wash thoroughly after handling. Use with adequate ventilation.

**Other Precautions**  
 Read label on container before using. Do not wear contact lenses when working with chemicals.  
 Do not get in eyes, on skin or on clothing. Do not breathe vapors.

Approved by Steven C. Quandt Effective Date 10/28/94 For laboratory use only. Not for direct household use. Keep out of reach of children.

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 should consult the appropriate regulatory agencies for the most current information.