

PORT ATKINSON, WI 53556-0901
 OVERTO, CA 95356-8318
 800-558-9595

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.
Product No. KM 627 M
Product Name IODINE POTASSIUM IODIDE
 SOLUTION

CHEMTEC 800-424-9300
 HAZARD RATING

4-EXTREME	Health Hazard	3
	Flammability	0
	Reactivity	1

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.

SECTION III PHYSICAL AND CHEMICAL PROPERTIES

Melting Point (°F)	N/A	Specific Gravity (H ₂ 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

D.O.T. Not Regulated

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

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See Section II

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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 PROCEDURE
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 quantity. 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 10/26/94

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 for the safety and health of employees.