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(WVR) Sci

IMPORTANT
MATERIAL SAFETY DATA SHEET

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

Product No. C3850E

Product Name GRAM'S IODINE SOLUTION

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC 800-424-9300

HAZARD RATING

4-EXTREME
3-SEVERE
2-MODERATE
1-SLIGHT
0-MINIMAL

Health Hazard	1
Flammability	0
Reactivity	0

SECTION I — NAME

Chemical Synonyms	N/A
Formula	N/A (mixture)
C.A.S. No.	See Section II

SECTION II — HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)		%	P.E.L.	TLV Units
Potassium Iodide	C.A.S. #7681-11-0	0-1	None Established	None Established
Iodine	C.A.S. #7553-56-2	0-1	0.1 ppm	0.1 ppm
Sodium Bicarbonate	C.A.S. #144-55-8	0-1	None Established	None Established

★ chemical subject to the reporting requirements of SARA Title III.

SECTION III — PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H_2O=1)	N/A
Boiling Point (°F)	N/A	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	Appreciable (more than 10%)		
Appearance & Odor	Rust color solution with odor of iodine.		

SECTION IV — FIRE AND EXPLOSION HAZARD

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

Special Firefighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire and Explosion Hazards

Toxic gases produced: iodine.

D.O.T.	Not Regulated

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

SECTION V — HEALTH HAZARD DATA

Threshold Limit Value
See Section II

Effects of Overexposure
No effects of overexposure were documented. May cause irritation.

Emergency and First Aid Procedures
CALL A PHYSICIAN. If **swallowed**, if conscious, immediately induce vomiting. If **inhaled**, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush **eyes** with plenty of water for at least 15 minutes. Flush **skin** with water.

SECTION VI — REACTIVITY DATA

Stability		Conditions to Avoid
Stable ☒	Unstable ☐	Light
Incompatibility (Materials to Avoid)		N/A
Hazardous Decomposition Products		Iodine
Hazardous Polymerization		Conditions to Avoid
May Occur ☐	Will Not Occur ☒	N/A

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled
Wear suitable protective clothing. Take up with sand or other noncombustible absorbent material and place into container for later 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.
Dispose in accordance with all applicable federal, state and local environmental regulations.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None required.			
Ventilation	Local Exhaust	-------	Special	------
	Mechanical (General)	X	Other	------
Protective Gloves	Gloves	Eye Protection	Safety 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.
Suitable for any general chemical storage area.

Other Precautions
Read label on container before using. Do not wear contact lenses when working with chemicals.
N/A

Approved by	Steven C. Quandt	Effective Date	12/23/97	For laboratory use only. Not for drug, food or household use. Keep out of reach of children

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