

READ CAREFULLY BEFORE USING CHEMICAL  
 OSHA requires that this form be kept on file.  
**Product No.** C3850E  
**Product Name** GRAM'S IODINE SOLUTION

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)	C.A.S. #	%	P.E.L.	TLV Units
Potassium Iodide	#7681-11-0	0-1	None Established	None Established
Iodine	#7553-56-2	0-1	0.1 ppm	0.1 ppm
Sodium Bicarbonate	#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 <sub>2</sub> O=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 HAZARDS				
Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	Lower	Upper
			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

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

**SECTION VI 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 VII SPECIAL PROTECTIVE REQUIREMENTS				
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 VIII 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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