

SECTION 1 IDENTIFICATION	
Product Number	120-1639
Product Name	Lugol's Iodine Dilute
Trade /Chemical Synonyms	
Formula	
RTECS	None
C.A.S. #	
Health:	2
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 7 HANDLING AND STORAGE
Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Respiratory Protection:	None required
Ventilation:	Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/>
Protective Gloves:	Gloves to prevent skin exposure as latex or vinyl
Eye Protection:	Safety Glasses w/Side Shields
Other Protective Equipment:	Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS					
Sara 313	Component	CAS Numbe	%	Dim.	Exposure Limits
<input type="checkbox"/>	Iodine	CAS# 7553-56-2	0.33%	W/V	OSHA PEL (C) 0.1 ppm (1 mg/m ³)
<input type="checkbox"/>	Potassium Iodide	CAS# 7681-11-0	0.67%	W/V	TXDS: orl-hmn LDLo: 1862 mg/K
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)
Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
Melting Point:	-0° C
Boiling Point:	-100° C
Vapor Pressure:	Information not available
Vapor Density:	Information not avai
Solubility in Water:	Soluble
Appearance /Odors:	brown liquid/Iodine odor
Flash Point:	Information not available
Specific Gravity:	> 1
Percent Volatile by Volume:	~ 95%
Evaporation Rate:	Information not available
Evaporation Standard:	
Auto Ignition Temp:	Not applicable
Lower Flamm. Limit in Air:	Not applicable
Upper Flamm. Limit in Air:	Not applicable

SECTION 4 FIRST AID MEASURES
FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 10 STABILITY AND REACTIVITY INFORMATION	
Stability:	Stable
Conditions to Avoid:	Avoid exposure to light.
Materials to Avoid:	Active metals, ammonia, acetylene, acetaldehyde
Hazardous Decomposition Products:	Iodine fumes
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 5 FIRE FIGHTING MEASURES	
Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards:	Not combustible, however, contact with reducing agents or combustibles may cause ignition.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 11 ADDITIONAL INFORMATION	
Conditions aggravated/target organs: Persons with pre-existing skin, eye, thyroid, and respiratory disorders, as well as persons with iodine allergies, will be more susceptible. May cause skin and eye irritation. Conditions aggravated: Thyroid disorders,	
DOT Classification:	Not Regulated
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.	

SECTION 6 ACCIDENTAL RELEASE MEASURES
Neutralize iodine by adding sodium thiosulfate solution until iodine color is gone. Pick up with absorbent material.

Rev. No: 0 Date Entered: 1/1/2005 Approved: RMC Safety Dir. RMC