

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
IMEB INC.
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CAT #: K7388-1

Product Trade name: Lugol's Iodine Solution
Product Description: Aqueous Biological Reagent Solution

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Iodine	7553-56-2	n/a	1 mg/m3	n/a
Potassium Iodide	7681-11-0	n/a	n/a	3 mg/m3

Section II Physical and Chemical Characteristics

Specific Gravity: 1.4 (Water = 1.0)@ 77 F
Solubility in Water: Soluble
SP. Gravity of Vapor: n/a
Evaporation Rate (n-Bu Acetate = 1): n/a
Vapor Pressure: n/a
Viscosity: n/a
Boiling Point: 89 C
Color: Brown
Odor: Synthetic odor
State: Liquid

Section III Stability and Reactivity

Stability: Stable.
Conditions to Avoid: n/a
Hazardous Polymerization: Will not occur.
Incompatible Materials: Reactive with combustible materials, organic materials and metals.
Hazardous Decomposition Products: Products of biodegradation are Carbon Monoxide and Bromine Dioxide.

Section IV Fire and Explosion Data

Flashpoint: Non-Flammable
Flammable Limits: LEL: n/a UEL: n/a
Autoignition Temperature: n/a
Extinguishing Media: Foam, Dry Chemical, Water, CO2.
Special Fire Fighting Procedure: n/a
Decomposition Products Under Fire Conditions: Vapors developed under fire conditions may be toxic.

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: Contact with eyes may cause irritation.
Skin Contact: No skin irritation hazard identified from available data.
Inhalation: Inhalation may irritate lungs and mucous membranes.
Ingestion: Ingestion may be toxic.

Chronic Health Effects:

Eye Contact: Prolonged exposure may cause eye sensitization.

Skin Contact: Prolonged exposure may cause skin irritation.

Inhalation: Prolonged and repeated exposure may cause severe lung irritation by accumulation.

Ingestion: Repeated exposure may cause general deterioration of health and toxic accumulation.

Medical Conditions Aggravated by Exposure: n/a

Section VI Emergency First Aid Procedures

Eye Contact: Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

Skin Contact: Wash contact area with soap and water. Seek medical attention if symptoms persist.

Inhalation: Remove employee to well ventilated area. Seek medical attention if symptoms persist.

Ingestion: If person is conscious, INDUCE VOMITING. Seek Immediate Medical Attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves and goggles and absorb spill with absorbent material such as sand or paper towel. Spill area can be washed with soap and water. Do not use detergents that contain bleach or chlorine.

Waste Disposal: All waste must be disposed in accordance to local, state, and federal regulations.

Storage: Store in original container or LDPP, HDPE or any plastic container. Do not store in metal containers. Store at room temperature in separate shelf or area from other chemicals.

Section VIII Personal Protection and Handling

Ventilation: Use of mechanical ventilation is recommended.

Respiratory Protection: This product is not anticipated to require additional respiratory protection during normal usage.

Eye Protection: Wear goggles or splash shield.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: Wear lab apron.

Hygienic Practices: Wash hands before meals or breaks.

Federal and State Regulations: Massachusetts 'Right To Know', substance list (MSL) hazardous substances and extraordinary Hazardous Substances on the MSL must be identified when present in products and components presented in this product at a level which require reporting under the statute are: Iodine

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