

MATERIAL SAFETY DATA SHEET

IODINE SOLUTION 1%-5%

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Product/Chemical Name: IODINE SOLUTION 1%-5%; Lugol's Soln.: Gram Stain #2

Formula: I₂ in water

Physical Description: Violet, red-brown, or grey black liquid

Special Hazards: Self-contained breathing apparatus required.

Unusual Fire/Explosion Hazards: None indicated

Reactivity: Stable under normal temperatures and pressure.

Spill or Leak Procedures

Action: Wear gas mask and goggles; sweep up; vent area; containerize material for disposal.

Disposal Method: To be performed. In compliance with all current local, state & federal regulations.

Threshold Limit Value: TLV-air: 0.1 ppm TXDS: oral-human LDLO: 5 mg/kg

Overexposure Effects: Poison! Can irritate eyes, nose, throat and skin as well as cause burns on contact. Possibly fatal if swallowed.

Potential Carcinogen: Unknown

First Aid Procedures

Skin: Remove contaminated clothes and shoes. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (approx 15-20 min.). Get medical attention immediately.

Eyes: Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline occasionally lifting upper and lower lids until no evidence of chemical remains (approx 15-20 minutes). Do not use an eye ointment. Get medical attention immediately.

Ingestion: Check for and remove any dentures. Do not induce vomiting. Loosen tight clothing. Administer oxygen if breathing difficult, CPR if victim stops breathing. Seek immediate medical attention.

Inhalation: Remove to fresh air. Get medical assistance.

Storage Recommendations: Store in a cool, dry, well ventilated area protected against sunlight.

Special Protection Information

Exhaust ventilation recommended. Protective gloves and safety goggles required.

Special Handling Precautions

N/A