

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Iodine Potassium Iodide Solution

Size: 30ml, 120ml, 500ml

Chemical name: Does not apply; see formula below.

Formula: Potassium Iodide...2.0g

Iodine.....1.0g

Distilled water..100.0ml

Manufacturer: Carolina Biological Supply Company

Address: 2700 York Road

Burlington, NC 27215

For Information on Health Hazards Call: (919) 584-0381

For Other Information Call: (919) 584-0381

Date: 12/17/86

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): Iodine 1%; potassium iodide 2%

TLV (Units): Iodine orl-rat LD50 14g/kg

SECTION III PHYSICAL DATA

Boiling Point (F.): no information available

Vapor Pressure (mm Hg.): no information available

Vapor Density (Air=1): no information available

Specific Gravity (H2O=1): no information available

Percent Volatile By Volume (%): no information available

Evaporation Rate (=1): no information available

Solubility in Water: no information available

Appearance and Odor: dark brown liquid with slight characteristic odor of iodine.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): no information available

Extinguisher Media: Any media suitable for extinguishing the supporting fire.

Flammable Limits in Air % by Vol.: no information available

Autoignition Temperature: no information available

Special Fire Fighting Procedures: no information available

Unusual Fire and Explosion Hazards: no information available

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II.

Effects of Over exposure: May be harmful if swallowed, inhaled, or absorbed through the skin. May cause irritation to eyes, skin, and mucous membranes. Symptoms of exposure may include burning sensation,

coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Acute Overexposure: no information available

Chronic Overexposure: no information available

Emergency and First Aid Procedures: In all cases of overexposure, consult a physician for complete treatment information.

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration; if breathing is difficult, give oxygen.

Eyes: Flush with plenty of water.

Skin: Wash with soap and plenty of water.

Ingestion: Contact a physician for proper treatment.

SECTION VI REACTIVITY DATA

Stability:

unstable:

stable: X

Conditions to Avoid: no information available

Incompatibility (Materials to Avoid): no information available

Hazardous Decomposition Products: no information available

Hazardous Polymerization:

may occur:

will not occur: X

Conditions to Avoid: no information available

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled: Using the proper protective equipment, absorb the spilled material with vermiculite. When completely absorbed, scoop the waste material into a dry container for disposal.

Waste Disposal Method: Dispose of according to all federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Self-contained breathing apparatus where TLV levels are exceeded.

Ventilation:

Local Exhaust: X

Mechanical (general):

Special:

Other:

Protective Gloves: Rubber gloves

Eye Protection: chemical splash-proof goggles

Other Protective Clothing or Equipment: Lab coat, safety shower, and eye wash.

SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Keep in a tightly closed container.

Other Precautions: no information available

Approved by: Dan Thomas