

## MATERIAL SAFETY DATA SHEET

## SECTION I

PRODUCT NAME: IODINE SOLUTION  
SIZE: 120 ML, 500ML  
CHEMICAL NAME: DOES NOT APPLY; SEE FORMULA BELOW.  
FORMULA: IODINE.....2.0G  
SODIUM IODIDE.....2.4G  
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 2%  
TLV (UNITS): 0.1 PPM CEILING

## 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 (%): 97.6%  
EVAPORATION RATE ( =1): NO INFORMATION AVAILABLE  
SOLUBILITY IN WATER: MISCIBLE  
APPEARANCE AND ODOR: DARK BROWN LIQUID WITH SLIGHT CHARACTERISTIC ODOR OF IODINE.

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT FLAMMABLE  
EXTINGUISHER MEDIA: NOT APPLICABLE  
FLAMMABLE LIMITS IN AIR % BY VOL.: NOT FLAMMABLE  
AUTOIGNITION TEMPERATURE: NONE  
SPECIAL FIRE FIGHTING PROCEDURES: NO INFORMATION AVAILABLE  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NO INFORMATION AVAILABLE

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.  
EFFECTS OF OVER EXPOSURE: ACUTE OVEREXPOSURE: MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION TO EYES, SKIN, AND MUCCOUS MEMBRANES. SYMPTOMS OF CHRONIC EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING. ORAL-RAT LD50 14G/KG

(IODINE)

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:

STABLE

CONDITIONS TO AVOID: NO INFORMATION AVAILABLE

INCOMPATIBILITY (MATERIALS TO AVOID): NO INFORMATION AVAILABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NO INFORMATION AVAILABLE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

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

PROTECTIVE GLOVES: RUBBER GLOVES

EYE PROTECTION: CHEMICAL SPLASH-PROOF GOGGLES; CONTACT LENSES SHOULD NOT BE WORN WHEN THIS CHEMICAL IS IN USE.

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