

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Ethidium Bromide 5mg/ml
Size: 1ml
Chemical Name: 3,8-Diamino-5-ethyl-6-phenylphenthridinium
Bromide
Formula: $C_{21}H_{20}BrN_3$
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:

Date: 10/20/86

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s) (%): Ethidium Bromide 98%;
traces of ammonium bromide or ethanol
TLV (Units): no information found

Section II Physical Data

Boiling Point (C): no information found
Vapor Pressure (mm Hg): no information found
Vapor Density (Air = 1): no information found
Specific Gravity ($H_2O = 1$): no information found
Percent Volatile by Volume (%): no information found
Evaporation Rate (n-butyl acetate = 1): no information
found
Solubility in Water: Soluble
Appearance and Odor: Dark reddish yellow; nil odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): no information found
Extinguisher Media: Water, foam, carbon dioxide, or dry
chemical, as suitable for the surrounding fire and materials.
Flammable Limits in Air (% by Volume): no information found
Autoignition Temperature: no information found
Special Fire Fighting Procedures: Self-contained breathing
apparatus should be used in confined spaces.
Unusual Fire and Explosion Hazards: no information found

SECTION V HEALTH HAZARD DATA

Threshold Limit Value: not established
Effects of Overexposure:
Acute Overexposure: no known toxicity, but may cause
irritation or allergic reaction.
Chronic Overexposure: Potential mutagen - handle with
caution.
Emergency and First Aid Procedures:
Inhalation: Move to fresh air. If breathing is
difficult, give oxygen. If not breathing, give artificial
respiration. Keep victim quiet and warm. Call a physician
or Poison Control Center immediately.

Eyes: Flush with water for 15 minutes and immediately seek medical attention if irritation persists.

Skin: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Call a physician if irritation persists.

Ingestion: Drink water and call a physician or Poison Control Center immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability: Stable - at room temperature.

Incompatibility (Materials to Avoid): Oxidizing materials

Hazardous Decomposition Products: Oxides of nitrogen, hydrogen bromide or bromine.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid heat.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Wear appropriate protective clothing. Collect material with an absorbent and place in a suitable waste container. Avoid contact of material with skin and eyes. Use with adequate ventilation.

Waste Disposal Method: Incinerate in an approved facility equipped with a caustic scrubbing device to remove bromine products of combustion.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specific Type): Compressed air breathing set

Ventilation:

Local Exhaust: X

Mechanical (General): not applicable

Special:

Other:

Protective Gloves: PVC

Eye Protection: Full face visor of breathing set

Other Protective Clothing or Equipment: PVC gown or suit. PVC or rubber boots. Access to safety shower and eye wash.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Avoid contact with eyes, skin, and clothing. Avoid ingestion or inhalation. Total personnel isolation recommended. Do not store near foods, heat or oxidizing materials.

Other Precautions:

Approved by:

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