MATERIAL SAFETY DATA SHEET

SECTION I NAME
Product: Ethidium Bromide Stock Solution

SECTION II INGREDIENTS OF MIXTURES
Principal Component(s) % TLV Units
- Ethidium bromide: (CAS No. 1239-45-8) 1.0% None established.
- EDTA (Ethylenediaminetetraacetic acid): (CAS No. 60-00-4) 0.03% None established.
- Tris tromethamine: (CAS No. 77-86-1) 0.075% None established.
- Water: (CAS No. 7732-18-5) 99.89% None established.

SECTION III PHYSICAL DATA
Melting Point (°F) Approx. 0°C (32°F) Specific Gravity (H₂O = 1) Approx. 1.0
Boiling Point (°F) Approx. 100°C (212°F) Percent Volatile by Volume (%) 99.89%
Flash Point (Method Used) N/A % by Volume N/A
 Vapor Density (Air=1) 0.7 (Water)
 Solubility in Water Complete.
 Appearance & Odor Clear, red liquid; no odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA
Flammable Limits in Air % by Volume N/A
Lower Upper
 Flash Point (Method Used) N/A
 Extinguisher Media Use any media suitable for extinguishing supporting fire.

SECTION V HEALTH HAZARD DATA
Threshold Limited Value None established for this mixture. (ACGIH 2001).
Ethidium bromide: Oral-rat: LD50: 1503 mg/kg

Effects of Overexposure
SKIN: May cause skin irritation. May be harmful if absorbed through skin.
EYES: May cause irritation. INHALATION: Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled. INGESTION: May be harmful if swallowed. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Target organs: None known.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA
Stability Unstable Conditions to Avoid Excessive temperature to cause evaporation.
Unreactive Stable X

Incompatibility (Materials to Avoid) Strong oxidizing materials.

Hazardous Decomposition Products Carbon oxides, nitrogen oxides, hydrogen bromide gas.

Hazardous Polymerization Products
May Occur Will Not Occur
Stable X

SECTION VII SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled
- Wear protective safety equipment. Absorb spill with an inert dry material, sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Waste Disposal Method
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Contact a licensed professional waste disposal service to dispose of this material.

SECTION VIII SPECIAL PROTECTION INFORMATION
Respiration Protection
Work in ventilation hood or wear a NIOSH/MSHA-approved respirator.
- Local Exhaust Recommended. Special No.
- Mechanical (General) Recommended. Other No.


Other Protective Equipment Faceshield, lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS
Precautions to be taken in Handling & Storing
- Store in a cool, dry area. Avoid inhalation of vapors and/or mist. Wash thoroughly after handling.

Other Precautions
- PPE label on container before use. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
- Avoid contact with skin, eyes and clothing. Use adequate ventilation. Remove and wash contaminated clothing.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.