

MATERIAL SAFETY DATA SHEET

Ethidium Bromide
Date of issue- 7/September/2006
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1- Product and Company Identification

Product Name	Ethidium Bromide Solution
Reference number	BP-451
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

2- Composition, Information on Ingredients

Ingredients Name	Cas #	Percent
Ethidium Bromide	1239-45-8	0.1
Water	7732-18-5	>99

3- Hazard Specifications

Harmful if swallowed, Very Toxic. Irritating to eye, skin and respiratory system.
Chronic- Possible risk of irreversible effects. May alter genetic material.

4- First Aid Measures

Skin	Wash skin thoroughly with plenty waters for at least 15 minutes. Remove contaminated clothing and shoes, Seek medical advice.
Eyes	Wash out eye with plenty waters for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice.
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Wash mouth with water. Seek medical advice immediately

5- Fire Fighting Measures

Extinguishing Media	Use water spray, foam, dry chemical powder, or carbon dioxide.
Special Risks	Emits toxic fumes under fire conditions.
Protective equipment for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

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6- Accidental Release Measures

General Information	Use proper personal protective equipment (see section 8)
Personal Precautions	Wear appropriate protective clothing.
Spill	Add commercial bleach, absorb with inert material and place in suitable container. Clean immediately, observing precautions (see section 8). Provide ventilation.

7- Handling and Storage

Handling	Avoid contact with eyes, skin and clothing, Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.
Storage	Store at 15-22°C. Keep bottle tightly closed.

8- Exposure Controls, Personal Protection

Engineering controls	Eyewash facility and Safety shower. Use adequate ventilation.
Personal Protective Equipment	Hands- Compatible chemical resistant gloves. Eyes- Chemical safety goggles. Clothing- Wear appropriate protective clothing to prevent skin exposure. Respirators- Follow the OSHA or CEN respirator regulation.

9- Physical and Chemical Properties

Physical state	Liquid
Color	Red

10- Stability and Reactivity

Stability	Stable under recommended storage conditions. Materials to avoid: Strong oxidizing agents. Conditions to avoid: Excess heat.
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11- Toxicological Information

Acute toxicity	Skin- skin irritation, may be harmful if absorbed through the skin. Eye- eye irritation. Inhalation- irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion- May be harmful if swallowed.
Chronic exposure	Mutagen- Laboratory experiments have shown mutagenic effects.

12- Ecological Information

Ecological measures	Cause DNA damage and mutations in mammalian somatic cells.
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13- Disposal Information

Disposal Information	Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance to all local and national regulations
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14- Transport Information

UN Number	2810
Class	6.1

15- Regulatory Information

Risk Phrases	Very toxic. Harmful if swallowed. Irritating to eyes, respiratory system and skin. Possible risk of irreversible effects.
Safety Phrases	Wear suitable protective clothing, gloves and eye/face protection In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately.

16- Other Information

For In-Vitro use only.
The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.