

Ethidium Bromide

1. Process

- a. Mixing various concentrations of aqueous acid solutions.

2. Describe process, hazardous chemical, or hazard class

- a. Ethidium bromide.

3. Potential Hazards

- a. Potent mutagen. Moderately toxic.
- b. Avoid skin contact, may be absorbed through skin.

4. Personal Protective Equipment

- a. Wear safety glasses..
- b. Wear chemical protective gloves.

5. Engineering Controls

- a. Use only inside a chemical fume hood with adequate ventilation. Safety shower and eye wash should be easily accessible.

Special Handling Procedures and Storage Requirements

- a. Store in a cool, dry place away from strong oxidizing agents. Keep containers tightly closed. Use with adequate ventilation.

6. Spill and Accident Procedures

- a. Skin exposure: Rinse affected skin with plenty of water while removing contaminated clothing and shoes. Rinse for at least 15 minutes. Seek medical attention
- b. Eye exposure: splashes may cause tissue destruction. Wash eyes for at least 15 minutes, lifting the upper and lower eyelids. Seek medical attention immediately.
- c. Small spills: Do not attempt cleanup if you feel unsure of your ability to do so or if you perceive the risk to be greater than normal laboratory operations. Cover spill with broad spectrum absorbent. When absorbent is removed, wash contaminated area with bicarbonate solution. Large Spills: Notify others in area of spill. Turn off ignition sources in area. Evacuate area and post entrance ways to spill area. Call NAU Police at 43333 for spill response. Restrict person from area of spill or leak until cleanup is complete. Remain in area in safe location to assist the ORC Response.

7. Decontamination Procedures

- a. Use sodium bicarbonate and water.

8. Waste Disposal Procedures

- a. Contact the Office of Regulatory Compliance (ORC) for waste disposal.

9. MSDS Location

- a. Lab MSDS binder, or contact ORC.