

DATA SHEET: Ethidium bromide

HAZARDS IDENTIFICATION

OSHA Hazards: **Highly toxic by inhalation, Harmful by ingestion, Mutagen**

Potential Health Effects:

- Inhalation **May be fatal if inhaled. May cause respiratory tract irritation.**
- Skin **Harmful if absorbed through skin. May cause skin irritation.**
- Eyes **May cause eye irritation.**
- Ingestion **Harmful if swallowed.**

Pictogram:



ACCIDENTAL RELEASE MEASURES

Personal precautions

- **Wear respiratory protection.**
- **Avoid dust formation.**
- **Avoid breathing vapors, mist or gas.**
- **Ensure adequate ventilation.**
- **Evacuate personnel to safe areas.**
- **Avoid breathing dust.**

Environmental precautions

- **Prevent further leakage or spillage if safe to do so. Do not let product enter drains**

Methods and materials for containment and cleaning up

- **Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.**

HANDLING AND STORAGE

Precautions for safe handling

- **Avoid contact with skin and eyes. Avoid formation of dust and aerosols.**
- **Provide appropriate exhaust ventilation at places where dust is formed.**

Conditions for safe storage

- **Keep container tightly closed in a dry and well-ventilated place.**
- **Keep in a dry place.**

MORE INFORMATION

Synonyms : **EtBr**

3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide

Homidium bromide

Formula : **C₂₁H₂₀BrN₃**

Molecular Weight : **394.31 g/mol**