

# **MATERIAL SAFETY DATA SHEET**

DATE PRODUCED: January 2011

## **1. CHEMICAL IDENTIFICATION:**

Ethidium Bromide

## **2. COMPOSITION/INFORMATION ON INGREDIENTS:**

Solution made up of 10 mg/ml Ethidium Bromide

## **3. HAZARDS IDENTIFICATION:**

LABEL PRECAUTIONARY STATEMENTS

### **TOXIC**

May cause heritable genetic damage.

Irritant, irritating to eyes, respiratory system and skin.

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear protective clothing, gloves and eye / face protection.

## **4. FIRST-AID MEASURES:**

In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes.

In case of contact with skin, immediately wash skin with soap and copious amounts of water.

If inhaled, remove to fresh air and monitor breathing. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

## **5. FIRE FIGHTING MEASURES:**

EXTINGUISHING MEDIA

Water spray

Carbon dioxide, dry chemical powder

SPECIAL FIREFIGHTING PROCEDURES

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

Emits toxic fumes under fire conditions

## **6. ACCIDENTAL RELEASE MEASURES:**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

## **7 HANDLING AND STORAGE:**

This product should be handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. Storage conditions at room temperature.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Chemical safety goggles.

Compatible chemical-resistant goggles.

NIOSH/MSHA approved respirator

Safety shower and eye bath

Mechanical exhaust required

Avoid inhalation

Avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposure.

Wash thoroughly after handling.

Irritant

Mutagen

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Keep tightly closed

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Red liquid.

**10. STABILITY AND REACTIVITY:**

STABILITY

Stable

INCOMPATIBILITIES

Strong oxidising agents

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

Toxic fumes of: Carbon Monoxide, Carbon Dioxide, Nitrogen oxides, Hydrogen Bromide gas.

HAZARDOUS POLYMERISATION

Will not occur

**11. TOXICOLOGICAL INFORMATION:**

May be harmful by inhalation, ingestion or skin absorption.

Vapour is irritating to eyes, mucous membranes and upper respiratory tract.

Skin irritation. May alter genetic material. Toxicological properties have not been thoroughly tested.

**12 ECOLOGICAL INFORMATION:**

Data not yet available.

**13. DISPOSAL CONSIDERATIONS:**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**14. TRANSPORT INFORMATION:**

Non-hazardous for road, sea and air freight

**15. REGULATORY INFORMATION:**

EUROPEAN INFORMATION

Toxic

(R46)

May cause heritable genetic damage

(R 36/37/38)

Irritating to eyes, respiratory system and skin

(S45)

In case of accident or if feel unwell , seek medical advice immediately.

(S 26)

In case of contact with eyes, rinse immediately with copious amounts of water and seek medical advice

(S 36/37/39)

Wear suitable protective clothing