

1. Product and Company Identification

PRODUCT: Ethidium bromide (0.625 mg/ml) in aqueous solution. 10 mL

PRODUCT # REA-1014

Recommended Use; For further research use only. Not for Human or Animal Drug Use

SUPPLIER: High Desert Bioscience. 520-678-4926 info@highdesertbio.com

2. Hazards Identification

This chemical is not considered hazardous by regulation (EC)1272/2008

3. Composition /Information of Ingredients

<u>Substance Name</u>	<u>Concentration</u>	<u>Product Identifier</u>	<u>Hazard Classes</u>
Ethidium bromide	<0.1%	CAS 1239-45-8 EC :214-984-6 REACH No: NA	Muta 2-H341 Acute Tox 2-H330 Acute tox 4-H302

4. First Aid Measures

Eye Contact	Rinse thoroughly with water for at least 15vminutes
Skin contact	Wash off with soap and water; remove all contaminated clothes
Inhalation	Move to fresh air. Give oxygen if breathing difficulties
Ingestion	Rinse mouth with water, then drink plenty of water.

5. Fire Fighting Measures

Non-flammable, wear MSHA/NIOSH approved self-contained breathing apparatus.

Flashpoint: N/A

NFPA RATING: Not published.

Hazardous decomposition products: Pyrolysis products, toxic

Explosion Data:	Sensitivity to Mechanical Impact	Not sensitive
	Sensitivity to Static Discharge	Not sensitive

Protective Equipment Wear self-contained breathing apparatus (MSHA/NIOSH approved)

6. Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation
Methods for Containment	Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up	Ventilate area and wash spill site after material is complete

7. Handling and Storage

Store at room temperature in a UV light resistant container.

Avoid eye and skin contact. Wear protective eye-wear, gloves and clothing. Follow directions for use.

Incompatible Products: Strong oxidizing agents

8. Exposure Controls/Personal Protection

Chemical safety goggles as per 29 CFR 1910.133

Chemical resistant gloves

Avoid contact with eyes, skin and clothing

Wash thoroughly after exposure

Use respiration protection devices that meet OSHA CFR 1910.134 and ANSI Z88.2 specifications

Engineering Measures: Showers, Eyewash Stations and ventilation systems.

9. Physical and Chemical Properties

Appearance	Liquid, red in color
Specific gravity	not determined
pH (Solution) @ 25°C	no information available
Flash Point	not determined
Decomposition Temperature	no information available

Freezing Temperature	no information available
Autoignition Temperature	No data available

10. Stability and reactivity

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents
Hazardous Decomposition Products	no data available
Hazardous Polymerization	Hazardous polymerization does not occur

11. Toxicological Information

Acute Toxicity

Inhalation	no data available
Eye contact	no data available
Skin contact	no data available
Ingestion	LD50>1503 mg/kg - Rat

<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LD50 Inhalation</u>
Agarose	no data available		

Chronic Toxicity

No known effect based on information supplied

Target Organ Effects

No data available

12. Ecological Information

Ecotoxicity	no data available
Persistence and Degradability	no data available
Bioaccumulation/Accumulation	no data available

13. Disposal Considerations

Waste Disposal Method Dispose of material in accordance with all federal, state and local regulations

Contaminated Packaging Do not re-use empty containers

14. Transport Information

IATA Not regulated

DOT Not regulated

15. Regulatory Information

Federal: TCSA: ingredients listed, no ingredients have a SNUR under TCSA CAA: This material does not contain any hazardous air pollutants or Class 1 or Class 2 ozone depleters. OSHA: None of the ingredients in this product are considered highly hazardous by OSHA at this product concentration.

State RTK listings: none.

REACH Title VII restrictions No information available. Risk not available.

Sara 313 This product does not contain any chemicals subject to the reporting requirements of the Act and Title 40 CFR part 372. Categories:

Acute Health Hazard	No
Chronic Health hazard	No
Fire Hazard	No
Sudden Release of Pressure hazard	No
Reactive Hazard	No

Clean Water Act This product does not contain any substances regulated as pollutants in pursuant to the Clean Water Act

16. Other Information

Issuing Date: 1/8/2024

Recommended Restrictions: No information available

Disclaimer

The above information is believed correct as of the above date, but does not purport to be all inclusive and shall be used only as a guide. The information given is to be used as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. High Desert Bioscience Corp. shall not be held liable for any damage resulting from handling or from contact with the above product.