Matrix Scientific

PO BOX 25067 COLUMBIA, SC 29224-5067 Telephone: 803-788-9494 Fax: 803-788-9419

SAFETY DATA SHEET Transportation Emergency: 3E Co. (5025) 800-451-8346

1. Product Identification

Name 1-Bromo-4,4,4-trifluorobutane		
Synonym 4,4,4-Trifluoro-1-bromobutane		
Catalog Number	001215	
CAS Registry Number	[406-81-5]	
Company	Matrix Scientific	
Physical Address	131 Pontiac Business Center Drive Elgin, SC 29045 USA	
Telephone/Fax	(803)788-9494/(803)788-9419	
2. Hazard Identification		
Hazardous Ingredients	1-Bromo-4,4,4-trifluorobutane	
GHS label elements, including precautionary statements		

Pictogram



Signal word WARNING

Hazard statement(s)H317May cause an allergic skin reactionH319Causes serious eye irritation

Precautionary statement(s)

P280Wear protective gloves/protective clothing/eye protection/face protection.P305+351+338IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses if present and easy to do - continue rinsing.

3. Composition, Information or Ingredients

Name 1-Bromo-4,4,4-trifluorobutane

4. First Aid Measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with clean, running water for at least 15 minutes while keeping eyes open. Cool water may be used. Seek medical attention.
Skin Contact:	After contact with skin, wash with generous quantities of running water. Gently and thoroughly wash affected area with running water and non- abrasive soap. Cool water may be used. Cover the affected area with emollient. Seek medical attention. Wash any contaminated clothing prior to reusing.
Inhalation:	Remove the victim from the source of exposure to fresh, uncontaminated air. If victim's breathing is difficult, administer oxygen. Seek medical attention.
Ingestion:	Do NOT induce vomiting. Give water to victim to drink. Seek medical attention.

5. Fire-Fighting Measures

Extinguishing media: Special fire fighting	Carbon dioxide, dry chemical powder, alcohol or polymer foam.	
procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	
Unusual fire and explosion hazards/ decomposition of product:	Emits toxic fumes under fire conditions.	
product.		

6. Accidental Release Measures

Steps to be taken if material is spilled or otherwise released into the environment - Wear Appropriate respirator, impervious boots and heavy rubber (or otherwise impervious) gloves. Scoop up solid material or absorb liquid material and place into appropriate container. Ventilate area and wash affected spill area after pickup is complete. Wash skin immediately with plenty of water. Place solid or absorbed material into containers and close for disposal.

7. Handling and Storage

Avoid prolonged exposure. Use caution when handling. Exposure to any chemical should be limited. Do not breath dust or vapor. Have safety shower and eye wash available. Do not get in eyes, on skin or on clothing. Keep container tightly closed. Store in a cool, dry, well-ventilated place. Ensure adequate ventilation during use. Use only in a chemical fume hood. To the best of our knowledge, the health hazards of this product have not been fully investigated. This product is provided solely for the purpose of research and development.

8. Exposure Controls and Personal Protection

Wear Protective safety goggles. Wear chemical-resistant gloves. Wear protective clothing and chemical resistant boots. Ensure ventilation during use. After contact with skin, wash immediately.

9. Physical and Chemical Properties

Appearance: liquidMolecular Formula:C4H6BrF3Molecular Weight:191.00Boiling point (C):103-105°Index of refraction:1.3817

10. Stability and Reactivity

Incompatibilitie	s: Strong oxidizing agents Strong acids and bases		
Hazard Decomposition Products			
Carbon	carbon monoxide		
	carbon dioxide		
Bromine	hydrogen bromide		
Fluorine	hydrogen fluoride		

11. Toxicological Information

Acute effects:

Irritant

May be harmful by ingestion and inhalation.

Material is irritating to mucous membranes and upper respiratory tract.

To the best of our knowledge, the toxicological properties of this product have not been fully investigated or determined.

12. Ecological Information

Mobility:	Data not known
Persistence and	
degradability:	No data available
Cumulative potential:	No data available
Other adverse effects:	No data available

13. Disposal Considerations

Absent other actions demanded by federal or local regulations - Dissolve or mix the material with a combustible solvent and burn in a regulated, chemical incinerator equipped with after burner and scrubber.

Observe all federal, state and local laws.

14. Transport Information

Shipping Name Classed non-hazardous for shipment

15. Regulatory Information

Adhere to all Federal, State and local regulations.

16. Other Information

The information contained herein is accurate to the best of our knowledge, but is not meant to be complete and is included only as a guide. The end user is responsible for any damage resulting from handling or from contact with this product.