
Section 1: Product Identification

Product Name: 1-Bromo-2-pentafluoroethylbenzene, 95%

Product #: 300659

CAS #: 112754-17-3

Section 2: Composition and Information on Ingredients

Ingredient: Title Compound

CAS #: 112754-17-3

Percent: 95%

Section 3: Hazards Identification

Emergency Overview: Causes irritation eyes.

Eye Contact: Causes serious eye irritation.

Skin Contact: No specific information on physiological effects is available. Maybe harmful in contact with skin.

Inhalation: Fatal if inhaled.

Ingestion: Harmful if swallowed.

Chronic Health Effects: No specific information on physiological effects is available. .

Section 4: First Aid Measures

Eye Exposure: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Show this safety data sheet to the doctor in attendance.

Skin Exposure: Immediately wash the affected area with soap and water. Remove contaminated clothing if needed and wash before reuse. Seek physician assistance immediately. Show this safety data sheet to the doctor in attendance.

Inhalation: Keep affected individual warm and at rest in a comfortable position with access to fresh air. Closely monitor for signs of respiratory problems. Seek physician assistance immediately. Show this safety data sheet to the doctor in attendance.

Ingestion: Rinse mouth out with water. Do not give anything by mouth if affected individual is unconscious. Immediately seek physician assistance. Call poison center if needed. Show this safety data sheet to the doctor in attendance.

Section 5: Fire Fighting Measures

Extinguishing Medium: Carbon dioxide, dry power, or foam.

Fire Fighting Procedures: Fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

Hazardous Combustion and Decomposition Products: The product may emit toxic fumes if involved in a fire.

Section 6: Accidental Release Measures

Spill and Leak Procedures: Keep unprotected persons away. Small spills can be mixed with vermiculite or sodium carbonate and sweep up without creating dust. Keep away from ignition sources. Then place into a suitable disposal container and dispose of according to government regulations.

Section 7: Handling and Storage

Handling and Storage: Store in a tightly sealed container. Keep in a cool dry place away from heat and direct sunlight. Ensure good ventilation at the workplace.

Section 8: Exposure Controls and Personal Protection

Eye Protection: Always wear approved safety glasses / face protection when handling a chemical substance in the laboratory. Remove contact lenses if possible.

Skin Protection: Wear protective clothing, gloves or face protection. Use government-approved equipment under appropriate standards. Inspect before use. Consult with glove manufacturer to determine the proper type of glove.

Ventilation: Always handle the material in an efficient fume hood.

Respirator: Use a respirator if ventilation is not available. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

Section 9: Physical and Chemical Properties

Color and Form: clear liq.

Molecular Formula: C₈H₄BrF₅

Molecular Weight: 275.01

Melting Point: No data available.

Boiling Point: 173.2 °C/760 mmHg

Flash Point: No data available.

Density: 1.65 (20 °C)

Vapor Density: No data available.

Vapor Pressure: No data available.

Autoignition Temperature: No data available.

Specific Gravity: No data available.

Odor: Odorless.

Solubility in Water: Insoluble

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Reactions: No data available.

Conditions to Avoid: Handle the material according to specifications.

Incompatibility: Oxidizing agents, acids.

Decomposition Products: Carbon oxides, hydrogen fluoride, nitrogen oxides, organic fumes.

Section 11: Toxicological Information

RTECS Data: No information available in the RTECS files.

Carcinogenic Effects: No data available.

Mutagenic Effects: No data available.

Tetratogenic Effects: No data available.

Section 12: Ecological Information

Ecological Information: No data available.

Section 13: Disposal Considerations

Disposal: Dispose material according to local, state and federal regulations.

Section 14: Transportation

DOT (US): UN number: 1993; Class: 3; Packing group: III; Proper shipping name: Flammable liquids, n.o.s. (1-Bromo-2-pentafluoroethylbenzene); Marine pollutant: No

IMDG: UN number: 1993; Class: 3; Packing group: III; EMS-No: F-E, S-E; Proper shipping name: FLAMMABLE LIQUID, N.O.S. (1-Bromo-2-pentafluoroethylbenzene)

UN ID Number (IATA): UN number: 1993; Class: 3; Packing group: III; Proper shipping name: Flammable liquid, n.o.s. (1-Bromo-2-pentafluoroethylbenzene)

Section 15: Regulatory Information

TSCA: Not listed in the TSCA inventory.

SARS (Title 313): Not reportable under SARATitle 313.

Section 16: Other Information

Disclaimer: The information above is believed to be accurate and represents the information currently available to Aspira Scientific. However, we make no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.

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