

**1-Bromo-1,1-difluoroethane**

Version 2.0

Revision Date 09/16/2009

Ref. 130000052607

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : 1-Bromo-1,1-difluoroethane  
MSDS Number : 130000052607  
Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Potential Health Effects

Skin : No adverse effects expected.

Eyes : May cause eye irritation.

Inhalation : No adverse effects expected.

Ingestion : No adverse effects expected.

## Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
1-Bromo-1,1-difluoroethane	420-43-9	100 %

**SECTION 4. FIRST AID MEASURES**

Skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.

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

Inhalation : Remove to fresh air. Get medical attention.

Ingestion : If conscious, drink plenty of water. Get medical attention.

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**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Firefighting Instructions : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : Wear suitable protective equipment.

Spill Cleanup : Contain spill. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Accidental Release Measures : Discharge into the environment must be avoided.

**SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Avoid contact with skin, eyes and clothing. Avoid inhalation. Wash off with plenty of water. Wash clothing after use. Provide adequate ventilation.

Storage : Store in a cool, dry, well-ventilated area. Keep tightly closed. Keep away from heat, sparks and flames.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal protective equipment  
Respiratory protection : Wear NIOSH approved respiratory protection as appropriate.

Hand protection : Material: Impervious gloves

Eye protection : Wear safety glasses or coverall chemical splash goggles.

Exposure Guidelines  
Exposure Limit Values  
None established.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : liquid  
Color : colourless  
Boiling point/boiling range : 14 °C (57 °F)

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**SECTION 10. STABILITY AND REACTIVITY**

- Stability : Stable at normal temperatures and storage conditions.
- Incompatibility : strong oxidizers
- Hazardous decomposition products : hydrogen bromide, bromine compounds, Hydrogen fluoride, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide
- Hazardous reactions : Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION****SECTION 12. ECOLOGICAL INFORMATION****SECTION 13. DISPOSAL CONSIDERATIONS**

- Waste Disposal : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated in transportation by DOT/IMO/IATA.

**SECTION 15. REGULATORY INFORMATION**

- SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- Title III hazard classification : Acute Health Hazard: Yes  
Chronic Health Hazard: No  
Fire: No  
Reactivity/Physical hazard: No  
Pressure: No
- California Prop. 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.



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**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 09/16/2009  
Contact person : MSDS Coordinator, DuPont Chemical Solutions Enterprise, Wilmington, DE  
19898, (800) 441-7515

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.