

# Material Safety Data Sheet

according to ANSI Z400.1-2004

## 2-Bromoethyl triflate

Print date: 08.04.2013

Product code: 6182

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifier

2-Bromoethyl triflate

#### **Further trade names**

Methanesulfonic acid, 1,1,1-trifluoro-, 2-bromoethyl ester; Methanesulfonic acid, trifluoro-, 2-bromoethyl ester

Synonyms:

Trifluoromethanesulfonic acid 2-bromoethyl ester

#### **Chemical characterization** ( substance )

Methanesulfonic acid, 1,1,1-trifluoro-, 2-bromoethyl ester; Methanesulfonic acid, trifluoro-, 2-bromoethyl ester

CAS No: 103935-47-3

#### Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds  
Biomedizinische Forschungsreagenzien GmbH

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### SECTION 2: Hazards identification

#### **Route(s) of Entry**

#### **Signs and Symptoms of Exposure**

Carcinogenicity (NTP): Es liegen keine Informationen vor.

Carcinogenicity (IARC): Es liegen keine Informationen vor.

Carcinogenicity (OSHA): Es liegen keine Informationen vor.

### SECTION 3: Composition/information on ingredients

#### Substances

Sum formula: C<sub>3</sub>H<sub>4</sub>BrF<sub>3</sub>O<sub>3</sub>S

Molecular weight: 257.03

#### **Hazardous components**

| CAS No      | Components           | Quantity   |
|-------------|----------------------|------------|
| 103935-47-3 | 2-Bromoethyltriflate | 95 - 100 % |

### SECTION 4: First aid measures

#### Description of first aid measures

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### SECTION 5: Firefighting measures

#### Extinguishing media

### SECTION 6: Accidental release measures

### SECTION 7: Handling and storage

#### Precautions for safe handling

#### Conditions for safe storage, including any incompatibilities

Further information on storage conditions

-25

-15

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure controls

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:

Color:

Test method

Changes in the physical state

### SECTION 10: Stability and reactivity

Stability:

Stable

Possibility of Hazardous Reactions:

Will not occur

### SECTION 11: Toxicological information

#### Information on toxicological effects

Acute toxicity

### SECTION 12: Ecological information

### SECTION 13: Disposal considerations

#### Waste treatment methods

### SECTION 14: Transport information

Marine transport

UN proper shipping name:

toxic liquid, organic, n.o.s. (Trifluoromethanesulfonic acid 2-bromoethyl ester)

Air transport

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**UN proper shipping name:**

toxic liquid, organic, n.o.s. (Trifluoromethanesulfonic acid 2-bromoethyl ester)

**SECTION 15: Regulatory information****U.S. Regulations****SECTION 16: Other information****Hazardous Materials Information Label (HMIS)**

|                      |   |
|----------------------|---|
| Health:              | 2 |
| Flammability:        | 1 |
| Physical Hazard:     | 1 |
| Personal Protection: | C |

**NFPA Hazard Ratings**

|                |   |
|----------------|---|
| Health:        | 2 |
| Flammability:  | 1 |
| Reactivity:    | 1 |
| Unique Hazard: |   |

