

# Safety Data Sheet

according to UK REACH Regulation

## Mannose triflate Reference standard

Revision date: 08.02.2023

Product code: 10S.XXXX

Page 1 of 4

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

#### 1.1. Product identifier

Mannose triflate Reference standard

#### Further trade names

Beta-D-Mannopyranose 1,3,4,6-tetra-O-acetate 2-O-trifluoromethanesulfonate

Synonymes:

TATM; Mannose Triflate;

1,3,4,6-Tetra-O-acetyl-2-O-trifluoromethanesulfonyl-beta-D-mannopyranose

CAS No: 92051-23-5

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Reference standard for Mannose Triflate

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

Company name:	ABX advanced biochemical compounds	
	Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläser-Straße 10-14	
Place:	01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Christoph Meyer	Telephone: +49 3528 4041 8732
e-mail:	meyer@abx.de	
Internet:	http://www.abx.de	

#### 1.4. Emergency telephone number:

+49 3528 4041 60

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GB CLP Regulation

This substance is not classified as hazardous in accordance with GB CLP Regulation.

#### 2.2. Label elements

##### GB CLP Regulation

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

Beta-D-Mannopyranose 1,3,4,6-tetra-O-acetate 2-O-trifluoromethanesulfonate

Sum formula: C<sub>15</sub>H<sub>19</sub>F<sub>3</sub>O<sub>12</sub>S

Molecular weight: 480.36

##### Hazardous components

none (according to UK REACH Regulation)

# Safety Data Sheet

according to UK REACH Regulation

## Mannose triflate Reference standard

Revision date: 08.02.2023

Product code: 10S.XXXX

Page 2 of 4

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**General advice**

Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

**Other information**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

**Requirements for storage rooms and vessels**

Keep container dry. Keep container tightly closed.

**Further information on storage conditions**

Maximum storage temperature: -15 °C

Minimum storage temperature: -25 °C

Protect against: Light.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

# Safety Data Sheet

according to UK REACH Regulation

## Mannose triflate Reference standard

Revision date: 08.02.2023

Product code: 10S.XXXX

Page 3 of 4

### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	white; whitish
Melting point/freezing point:	119 - 122 °C
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents	
dimethylsulphoxide (DMSO). Ethanol ACN	

## SECTION 10: Stability and reactivity

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Sulfur oxides. Fluorines-carbon-hydrogens.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

## SECTION 12: Ecological information

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

### 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Other applicable information

Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

Water hazard class (D): 3 - highly hazardous to water

## Safety Data Sheet

according to UK REACH Regulation

### Mannose triflate Reference standard

Revision date: 08.02.2023

Product code: 10S.XXXX

Page 4 of 4

#### SECTION 16: Other information