

## **Material Safety Data Sheet**

according to ANSI Z400.1-2004

### Bis(trimethylsilyl)cytosine

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

#### **Product identifier**

Bis(trimethylsilyl)cytosine

#### Further trade names

4-Pyrimidinamine, N-(trimethylsilyl)-2-[(trimethylsilyl)oxy]-

Synonyms:

Trimethylsilanyl-(2-trimethylsilanyloxy-pyrimidin-4-yl)-amine; N-(Trimethylsilyl)-2-

[(trimethylsilyI)oxy]pyrimidin-4-amine; N-(trimethylsilyI)-2-[(trimethylsilyI)oxy]-4-pyrimidinamin;N-

(Trimethylsilyl)-2-[(trimethylsilyl)oxy]-4-pyrimidinamine; Pyrimidine, 2-(trimethylsiloxy)-4-[(trimethylsilyl)amino]-; N-(trimethylsilyl)-2-[(trimethylsilyl)oxy]pyrimidin-4-amine; BTMSC;

FAC-Precursor 2; Pyrimidine, 2-(trimethylsiloxy)-4-[(trimethylsilyl)amino]-;

2,4-Bis(trimethylsilyl)cytosine; O,N-Bis(trimethylsilyl)cytosine

### Chemical characterization (substance)

4-Pyrimidinamine, N-(trimethylsilyl)-2-[(trimethylsilyl)oxy]-

CAS No.: 18037-10-0

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

Company name: ABX advanced biochemical compounds

Biomedizinische Forschungsreagenzien GmbH

Street: Heinrich-Gläserstraße 10-14

Place: D-01454 Radeberg

Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 61

e-mail: info@abx.de

Contact person: Dr. Jan Mollitor Telephone: +49 3528 4041 718

e-mail: mollitor@abx.de
Internet: http://www.abx.de

Emergency telephone: +49 3528 4041 60

### **SECTION 2: Hazards identification**

## Route(s) of Entry

## Signs and Symptoms of Exposure

Carcinogenicity (NTP): No information available.
Carcinogenicity (IARC): No information available.
Carcinogenicity (OSHA): No information available.

#### **SECTION 3: Composition/information on ingredients**

### **Substances**

Sum formula: C10H21N3OSi2

Molecular weight: 255.46

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#### **Hazardous components**

CAS No.	Components	Quantity
18037-10-0	Bis(trimethylsilyl)cytosine	95 - 100 %

### **SECTION 4: First aid measures**

#### **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. Immediately get medical attention.

### **SECTION 5: Firefighting measures**

## Extinguishing media

### Suitable extinguishing media

Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO2). Atomized water.

#### **Advice for firefighters**

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

#### Additional information

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

#### **SECTION 6: Accidental release measures**

#### **Environmental precautions**

Do not empty into drains or the aquatic environment.

## Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

## **SECTION 7: Handling and storage**

## Precautions for safe handling

## Advice on safe handling

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace.

### 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

Protect against: moisture.

Recommended storage temperature:

of °C: 2

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up to °C: 8

Protect against: Light. Store under (Gas): argon. Nitrogen. Handle under (Gas):

argon. Nitrogen.

### **SECTION 8: Exposure controls/personal protection**

### **Control parameters**

#### **Exposure controls**

#### Occupational exposure controls

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

#### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

#### **SECTION 9: Physical and chemical properties**

#### Information on basic physical and chemical properties

Form: fest
Color: colourless

Test method

Changes in the physical state

Melting point: 122 °C
Flash point: > 65 °C
Water solubility: insoluble

Solubility in other solvents: chloroform dimethylsulphoxide (DMSO).

### **SECTION 10: Stability and reactivity**

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

### **Conditions to avoid**

Light. Air, humid.

### Incompatible materials

Acid. Water. Peroxides. Alcohols. Oxidizing agents.

## Hazardous decomposition products

Nitrogen oxides (NOx). Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx).

## **SECTION 11: Toxicological information**

### Information on toxicological effects

## Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

### **SECTION 12: Ecological information**

#### **Further information**

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).



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## **SECTION 13: Disposal considerations**

## Waste treatment methods

#### Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

## Contaminated packaging

Cleaned containers may be recycled.

## **SECTION 14: Transport information**

### **US DOT 49 CFR 172.101**

### Proper shipping name

Not a hazardous material with respect to these transportation regulations.

#### Other applicable information

Not a hazardous material with respect to these transportation regulations.

### **SECTION 15: Regulatory information**

### **U.S. Regulations**

# SECTION 16: Other information

### **Hazardous Materials Information Label (HMIS)**

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

### **NFPA Hazard Ratings**

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

