

# Safety Data Sheet

according to UK REACH Regulation

## 6-FDG

Revision date: 29.07.2024

Product code: 1108

Page 1 of 4

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

#### 1.1. Product identifier

6-FDG

#### Further trade names

D-glucopyranose, 6-deoxy-6-fluoro-

#### Synonyms:

6-Deoxy-6-fluoro-D-glucose, 6-Deoxy-6-fluoro-D-glucopyranose, 6-FDG

CAS No: 34168-77-9

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

#### 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

Acute Tox. 4; H332

Acute Tox. 4; H312

Acute Tox. 4; H302

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

6-FDG

Signal word: Warning

##### Pictograms:



##### Hazard statements

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

##### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P312 Call a POISON CENTER/doctor if you feel unwell.

**Safety Data Sheet**

according to UK REACH Regulation

**6-FDG**

Revision date: 29.07.2024

Product code: 1108

Page 2 of 4

**2.3. Other hazards**

Warning - substance not yet tested completely.

**SECTION 3: Composition/information on ingredients****3.1. Substances****Chemical characterization**

D-glucopyranose, 6-deoxy-6-fluoro-

Sum formula: C<sub>6</sub>H<sub>11</sub>FO<sub>5</sub>

Molecular weight: 182.15 g/mol

**Relevant ingredients**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
34168-77-9	6-FDG	95 - < 100 %
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H332 H312 H302	

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
34168-77-9		6-FDG	95 - < 100 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	

**SECTION 4: First aid measures****4.1. Description of first aid measures****SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

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

**5.2. Special hazards arising from the substance or mixture**In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>).**SECTION 6: Accidental release measures****SECTION 7: Handling and storage****7.1. Precautions for safe handling****7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Store in a place accessible by authorized persons only. Restrict access to stockrooms.

**Further information on storage conditions**

storage temperature:

of °C: -25

up to °C: -15

Protect against: Light.

**Safety Data Sheet**

according to UK REACH Regulation

**6-FDG**

Revision date: 29.07.2024

Product code: 1108

Page 3 of 4

Store under (Gas): argon. Nitrogen.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****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: colourless, whitish  
 Water solubility: easily soluble.  
 Solubility in other solvents  
 Ethanol

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Light.

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
34168-77-9	6-FDG				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

**11.2. Information on other hazards****Further information**

Toxicological data are not available.

**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.

**SECTION 13: Disposal considerations**

# Safety Data Sheet

according to UK REACH Regulation

## 6-FDG

Revision date: 29.07.2024

Product code: 1108

Page 4 of 4

### 13.1. Waste treatment methods

#### List of Wastes Code - residues/unused products

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

#### List of Wastes Code - used product

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

## SECTION 14: Transport information

### Other applicable information

Not a hazardous material with respect to 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

## SECTION 16: Other information

### Abbreviations and acronyms

Acute Tox: Acute toxicity

### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.