

# Safety Data Sheet

according to UK REACH Regulation

## Dibromomethane

Revision date: 08.11.2022

Product code: PECH-0113-R-V2a

Page 1 of 5

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

#### 1.1. Product identifier

Dibromomethane

#### Further trade names

Synonyms:

Dibromomethane, Methylene bromide; Methylene dibromide

CAS No:	74-95-3
Index No:	602-003-00-8
EC No:	200-824-2

#### 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  
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

Signal word: Warning

##### Pictograms:



##### Hazard statements

H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.

### SECTION 3: Composition/information on ingredients

**Safety Data Sheet**

according to UK REACH Regulation

**Dibromomethane**

Revision date: 08.11.2022

Product code: PECH-0113-R-V2a

Page 2 of 5

**3.1. Substances**

Sum formula: CH<sub>2</sub>Br<sub>2</sub>  
 Molecular weight: 173.83

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
74-95-3	dibromomethane			95 - < 100 %
	200-824-2	602-003-00-8		
	Acute Tox. 4, Aquatic Chronic 3; H332 H412			

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		
74-95-3	200-824-2	dibromomethane	95 - < 100 %
	inhalation: LC50 = 20 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 4000 mg/kg; oral: LD50 = 108 mg/kg		

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

**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. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

If swallowed, immediately drink: Water.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Atomized water. Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam.**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. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

# Safety Data Sheet

according to UK REACH Regulation

## Dibromomethane

Revision date: 08.11.2022

Product code: PECH-0113-R-V2a

Page 3 of 5

### 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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). 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 safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Keep container in a well-ventilated place.

#### Further information on storage conditions

Storage

up to °C: +30

Protect against: Light.

## 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

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	colourless

#### Changes in the physical state

## SECTION 10: Stability and reactivity

### 10.5. Incompatible materials

Oxidizing agents, strong. Aluminium.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Bromine hydrogen (HBr).

## SECTION 11: Toxicological information

**Safety Data Sheet**

according to UK REACH Regulation

**Dibromomethane**

Revision date: 08.11.2022

Product code: PECH-0113-R-V2a

Page 4 of 5

**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Acute toxicity, inhalant.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
74-95-3	dibromomethane				
	oral	LD50 mg/kg	108	Rat	
	dermal	LD50 mg/kg	4000	Rabbit	
	inhalation vapour	LC50	20 mg/l	Rat	
	inhalation dust/mist	ATE	1,5 mg/l		

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information****12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Contaminated packaging**

Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 2664
<b>14.2. UN proper shipping name:</b>	Dibromomethane
<b>14.3. Transport hazard class(es):</b>	6.1
<b>14.4. Packing group:</b>	III
Hazard label:	6.1

**Inland waterways transport (ADN)**

<b>14.1. UN number or ID number:</b>	UN 2664
<b>14.2. UN proper shipping name:</b>	Dibromomethane
<b>14.3. Transport hazard class(es):</b>	6.1
<b>14.4. Packing group:</b>	III
Hazard label:	6.1

**Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	UN 2664
<b>14.2. UN proper shipping name:</b>	Dibromomethane

**Safety Data Sheet**

according to UK REACH Regulation

**Dibromomethane**

Revision date: 08.11.2022

Product code: PECH-0113-R-V2a

Page 5 of 5

**14.3. Transport hazard class(es):** 6.1**14.4. Packing group:** III

Hazard label: 6.1

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:** UN 2664**14.2. UN proper shipping name:** Dibromomethane**14.3. Transport hazard class(es):** 6.1**14.4. Packing group:** III

Hazard label: 6.1

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.