according to UK REACH Regulation

Revision date: 19.08.2022

Dibromomethane (DBM) Product code: K-26XX.10

Page 1 of 5

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

1.1. Product identifier

Dibromomethane (DBM)

Further trade names

Methane, dibromo-

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	<u>safety data sheet</u>
Company name:	ABX advanced biochemical compounds
	Diamadiziniasha Farashungaraaganzian (

	Biomedizinische Forschungsreag	genzien GmbH
Street:	Heinrich-Gläser-Straße 10-14	
Place:	01454 Radeberg	
Telephone: e-mail:	+49 3528 4041 60 info@abx.de	Telefax:+49 3528 4041 65
Contact person: e-mail: Internet:	Dr. Christoph Meyer meyer@abx.de http://www.abx.de	Telephone: +49 3528 4041 8732
1.4. Emergency telephone	+49 3528 4041 60	

number:

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: **Pictograms:**



Hazard statements

nazaru statement	5
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
Precautionary sta	tements
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

2 1	
Wear protective gloves/protective clothing/eye protection/face	protec

- P210 Keep away from heat. No Smoking.
- P270 Do not eat, drink or smoke when using this product.
- P403+P235 Store in a well-ventilated place. Keep cool.

according to UK REACH Regulation

Dibromomethane (DBM)

Revision date: 19.08.2022

Product code: K-26XX.10

Page 2 of 5

P273 Avoid release to the environment.

SECTION 3: Composition/information on ingredients

3.1. Substances

Sum formula:	CH2Br2
Molecular weight:	173.83

Hazardous components

CAS No	Chemical name	Chemical name			
	EC No	Index No	REACH No		
	Classification (GB CLP Regulation)				
74-95-3	dibromomethane	dibromomethane			
	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. I	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 (CO2). 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

according to UK REACH Regulation

Dibromomethane (DBM)

Revision date: 19.08.2022

Product code: K-26XX.10

Page 3 of 5

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

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

Physical state: Colour:

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

liquid
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).

according to UK REACH Regulation

Dibromomethane (DBM)

Revision date: 19.08.2022

Product code: K-26XX.10

Page 4 of 5

SECTION 11: Toxicological information

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			

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.

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)

,	
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:	111
Hazard label:	6.1
Classification code:	T1
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	2
Hazard No:	60
Tunnel restriction code:	E
Inland waterways transport (ADN)	
14.1. UN number or ID number:	UN 2664
14.2. UN proper shipping name:	DIBROMOMETHANE
<u>14.3. Transport hazard class(es):</u>	6.1
14.4. Packing group:	III

according to UK REACH Regulation

	Dibromomet	hane (DBM)	
Revision date: 19.08.2022	Product code	e: K-26XX.10	Page 5 of 5
Hazard label:	6.1		
Classification code:	T1		
Special Provisions:	802		
Limited quantity:	5 L		
Excepted quantity:	E1		
Marine transport (IMDG)			
14.1. UN number or ID number:	UN 2664		
14.2. UN proper shipping name:	DIBROMOMETHAN	IE	
14.3. Transport hazard class(es):	6.1		
14.4. Packing group:	III		
Hazard label:	6.1		
Special Provisions:	-		
Limited quantity:	5 L		
Excepted quantity:	E1		
EmS:	F-A, S-A		
Segregation group:	10 - liquid halogena	ted hydrocarbons	
Air transport (ICAO-TI/IATA-DGR)			
14.1. UN number or ID number:	UN 2664		
14.2. UN proper shipping name:	DIBROMOMETHAN	IE	
<u>14.3. Transport hazard class(es):</u>	6.1		
14.4. Packing group:	III		
Hazard label:	6.1		
Limited quantity Passenger:	2 L		
Passenger LQ:	Y642		
Excepted quantity:	E1		
IATA-packing instructions - Passenger:		655	
IATA-max. quantity - Passenger:		60 L	
IATA-packing instructions - Cargo:		663	
IATA-max. quantity - Cargo:		220 L	

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.