

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 24.06.2022

Revision 21.06.2022 (GB) Version 1.0

Mueller-Hinton Broth, cation adjusted (CAMHB) /

MUELLER-HINTON II / MBT FAST Broth / Iron-

depleted CAMHB



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

1.1. Product identifier

Name of product

Mueller-Hinton Broth, cation adjusted (CAMHB) / MUELLER-HINTON II / MBT FAST Broth / Iron-depleted CAMHB
Art. No. E2-331-100, E2-331-020 / UM-MH-020 / E2-332-020 / E2-333-020

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

Recommended intended purpose(s)

Laboratory chemical

1.3. Details of the supplier of the safety data sheet

Distributor

MERLIN Gesellschaft für mikrobiologische Diagnostika mbH
Kleinstr. 14, D-53332 Bornheim-Hersel
Phone +49 2222 9631-0
E-Mail micronaut.support@bruker.com
Internet www.merlin-diagnostika.de

Advice

MERLIN Gesellschaft für mikrobiologische Diagnostika mbH

1.4. Emergency telephone number

Emergency advice

Phone +49 2222 9631-0
This number is only available at office times.

Manufacturer

Bruker Daltonics GmbH & Co. KG, Germany
Fahrenheitstr. 4, D-28359 Bremen
Phone +49 421 2205-0
E-Mail micronaut.support@bruker.com

1.4. Emergency telephone number

No information available.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



Additional information

Remark

The product does not require labeling in accordance with Regulation (EC) no. 1272/2008 [GHS].

2.3. Other hazards

Results of PBT and vPvB assessment

This substance / mixture does not contain any components in concentrations of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Additional advice

Does not contain hazardous materials to be mentioned here.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove moistened clothing immediately.

Consult a doctor if symptoms occur and / or persist.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with water.

Consult a doctor if skin irritation occurs.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

Remove contact lenses

In case of ingestion

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

In the event of symptoms receive medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.



SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

ABC powder
Carbon dioxide
Water spray jet

5.2. Special hazards arising from the substance or mixture

In case of thermal decomposition, the product can evolve dangerous gases.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

6.3. Methods and material for containment and cleaning up

Small spills: Absorb with suitable material (cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8
Emergency telephone number: see section 1

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Take the usual precautions when handling with chemicals.

Avoid contact with eyes and skin.

General protective measures

Avoid contact with eyes and skin



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Hygiene measures

Clean skin thoroughly after working.
Provide washing facilities at place of work.
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Further information on storage conditions

Keep container tightly closed and store at cool and dry place.
Store at 2 to 25 °C.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Respiratory protection

Not necessary if the ventilation is sufficient.

Hand protection

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

The selected protective gloves have to meet the specifications of EU Directive 89/686 / EEC and the resultant standard EN374.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile, 0,1 mm, 480 min. e.g. "Dermatril L" (KCL GmbH, Eichenzell (Germany); Email: Vertrieb@kcl.de).

Eye protection

safety goggles

Other protection measures

Light protective clothing.

Appropriate engineering controls

Ensure good interior ventilation, if necessary exhaustion at the workplace.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

light beige

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	7,2 - 7,4				
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point					Not applicable.
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	not determined				
Vapour density	not determined				
Solubility in water					soluble
Solubility/other	not determined				
Partition coefficient n- octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				

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	Value	Temperature	at	Method	Remark
Viscosity	not determined				
Oxidising properties	No information available.				
Explosive properties	The product is not explosive.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under recommended storage conditions.

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Concerning possible decomposition products see section 5.

Thermal decomposition

Remark No decomposition if used as directed.

Additional information

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	No irritating effect known.			
Eye irritation	No irritating effect known.			

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	Value/Validation	Species	Method	Remark
Skin sensitization	No sensitizing effects known.			
Sensitization respiratory system	No sensitizing effects known.			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity				No indications of possible genotoxicity effects available.
Reproduction-Toxicity				No indications of possible reproductive toxicity effects available.
Carcinogenicity				No indications of possible carcinogenic effects available.
Specific target organ toxicity (single exposure)	No effects known.			
Specific target organ toxicity (repeated exposure)	No effects known.			
Aspiration hazard	No danger of aspiration according to CLP Regulation.			
Additional information	The product should be handled with the care usual when dealing with chemicals. Further hazardous properties can not be excluded.			

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance / mixture does not contain any components in concentrations of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).



12.6. Other adverse effects

General regulation

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

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There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement.

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This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender. Incinerate in suitable incineration plant, but care for official regulations.

Recommendations for packaging

Disposal in accordance with local regulations.

Packaging that cannot be cleaned should be disposed of like the product.

General information

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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SECTION 15: Regulatory information

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

National regulations

Water hazard class	1	following AwSV (Germany) slightly hazardous for water
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15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Training advice

CAS - Chemical Abstracts Service; CLP - classification, labeling and packaging; DNEL - derived exposure level without adverse effects; GHS - Globally Harmonized System for Classification and Labeling of Chemicals; LC50 - Median Lethal Concentration;

OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic; PNEC - Estimated No Effect Concentration; STOT - Specific Target Organ Toxicity; SVHC - substance of very high concern;

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! Our safety data sheets have been compiled according to effective EU directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Sources of key data used

Data sheets of the sub-supplier.

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