

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

MIB pH 10.0 - 1 M

Buffer System: Malonic Acid, Imidazole, Boric Acid
sterile filtered

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: MIB pH 10.0 - 1 M
Catalog Number: CSS-401
Supplier: Jena Bioscience GmbH
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07749 Jena, Germany
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2. HAZARDS IDENTIFICATION

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

Skin Irrit. 2, H315
Repr. 1B, H360D

Label elements



Pictogram

Signal word Danger

Hazard statement(s)

H315 Causes skin irritation.
H360D May damage the unborn child

Precautionary statement(s)

P201 Obtain special instructions before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Malonic acid 2.6%

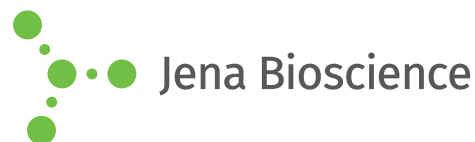
CAS-No.: 141-82-2
EC number: 205-503-0

Hazardous ingredients according to Regulation (EC) No 1272/2008

Acute Tox. 4, H302

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Eye Dam. 1, H318

Imidazole 2.6%

CAS-No.: 288-32-4
EC number: 206-019-2

Hazardous ingredients according to Regulation (EC) No 1272/2008

Acute Tox. 4, H302
Skin Corr. 1B, H314
Repr. 1B, H360FD

Boric Acid 2.3%

Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH).

CAS-No.: 10043-35-3
EC number: 233-139-2
Index-No.: 005-007-00-2

Hazardous ingredients according to Regulation (EC) No 1272/2008

Repr. 1B, H360FD

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

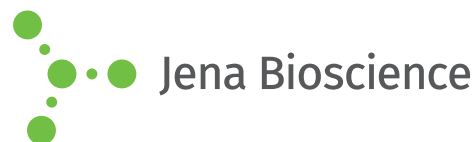
6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

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Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: store at 4 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

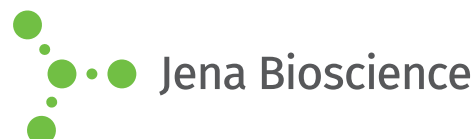
Form: liquid

Safety data

pH: 10.0, adjusted with NaOH
Melting point: no data available
Boiling point: no data available
Flash point: no data available
Ignition temperature: no data available
Lower explosion limit: no data available

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Upper explosion limit: no data available
Water solubility: no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Oxides of phosphorus, Lithium oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

Dermatitis

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.
Target Organs: Liver, Kidney

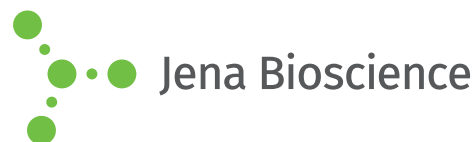
12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

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Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number/ Proper shipping name

ADR/RID: UN 2922 Ätzender flüssiger Stoff, giftig, n.a.g. (Malonic acid, Imidazole, Boric Acid)
IMDG: UN 2922 Corrosive liquid, toxic, n.o.s. (Malonic acid, Imidazole, Boric Acid)
IATA: UN 2922 Corrosive liquid, toxic, n.o.s. (Malonic acid, Imidazole, Boric Acid)

Transport hazard class(es)

ADR/RID: 8(6.1)
IMDG: 8(6.1)
IATA: 8(6.1)

Packaging group

ADR/RID: III
IMDG: III
IATA: III

Environmental hazards

ADR/RID: no
IMDG: no
IATA: no

15. REGULATORY INFORMATION

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

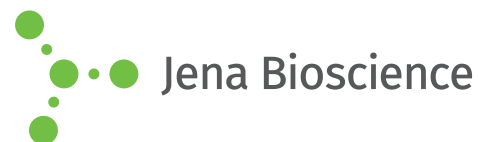
Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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