

MATERIAL SAFETY DATA SHEET

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

Product identifiers

Product name: DMEM/F12, w: stable Glutamine, w: 2.438 g/L NaHCO₃
Product number: P04-41154
Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, manufacture of substances

Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH
Am Gewerbepark 13
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GERMANY

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Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

2. HAZARDS IDENTIFICATION

Special Indication of HAZARDS to humans and the Environment

Not hazardous according to Directive 67/548/EEC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of water
Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

| | |
|---------------------------|---|
| Ingestion | Never give anything by mouth to an unconscious person |
| Inhalation | Move to fresh air |
| Notes to physician | Treat symptomatically |

5. FIREFIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media | Dry chemical |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|---------------------------------------|
| Personal precautions | Use personal protective equipment |
| Methods for cleaning up | Soak up with inert absorbent material |

7. HANDLING AND STORAGE

| | |
|-----------------|--------------------------------------|
| Handling | No special handling advice required |
| Storage | Keep in properly labelled containers |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---------------------------------------|---|
| Occupational exposure controls | |
| Exposure limits | |
| Engineering measures | Ensure adequate ventilation, especially in confined areas |
| Personal protective equipment | |
| Respiratory protection | In case of insufficient ventilation wear suitable respiratory equipment |
| Hand protection | Protective gloves |
| Eye protection | Safety glasses with side-shields |
| Skin and body protection | Lightweight protective clothing |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice |
| Environmental exposure controls | Prevent product from entering drains |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|-------------------|
| Form | liquid |
| Boiling point/range | no data available |
| Melting point/range | no data available |
| Flash point | no data available |
| Autoignition temperature | no data available |
| Oxidizing properties | no data available |
| Water solubility | no data available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | stable |
| Materials to avoid | no data available |
| Hazardous decomposition products | no data available |
| Polymerization | hazardous polymerisation does not occur |

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Principle Routes of Exposure/Potential Health effects

| | |
|------------|-------------------|
| Eyes | no data available |
| Skin | no data available |
| Inhalation | no data available |
| Ingestion | no data available |

Specific effects

| | |
|-----------------------|-------------------|
| Carcinogenic effects | no data available |
| Mutagenic effects | no data available |
| Reproductive toxicity | no data available |
| Sensitization | no data available |

| | |
|-----------------------------|-------------------|
| Target organ effects | no data available |
|-----------------------------|-------------------|

12. ECOLOGICAL INFORMATION

| | |
|---------------------|--------------------------|
| Ecotoxicity effects | no data available |
| Mobility | no data available |
| Biodegradation | inherently biodegradable |
| Bioaccumulation | does not bioaccumulate |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

| | |
|----------------------|---|
| Proper shipping name | not classified as dangerous in the meaning of transport regulations |
| Hazard Class | no data available |
| Subsidiary Class | no data available |
| Packing group | no data available |
| UN-No | no data available |

15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA

Clean Air Act, Section 112 Hazardous
Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under
Proposition 65

WHMIS hazard class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

Further information

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. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.pan-biotech.com or reverse side of invoice or packing slip for additional terms and conditions of sale.