

## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: BME vitamins  
Product number: P08-40100

Brand: PAN Biotech

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

Identified uses: Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company PAN Biotech GmbH  
Am Gewerbepark 13  
94501 Aidenbach  
GERMANY

Telephone: +49-(0)8543-6016-30  
Fax: +49-(0)8543-6016-49  
E-mail: info@pan-biotech.de

#### 1.4 Emergency telephone number

Emergency phone: +49-(0)8543-6016-31

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### Label elements

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Water	7732-18-5	90 - 100%
D-myo Inositol	87-89-8	< 0.1%
Niacinamide	98-92-0	< 0.1%
D-Pantothenic acid	137-08-6	< 0.1%
D-Biotin	58-85-5	< 0.1%
Folic acid	59-30-3	< 0.1%
Pyridoxal HCl	65-22-5	< 0.1%
Thiamine HCl	67-03-8	< 0.1%
Choline chloride	67-48-1	< 0.1%
Riboflavin	83-88-5	< 0.1%

#### **4. FIRST AID MEASURES**

<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>In case of skin contact</b>	Wash off with soap and plenty of water.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Notes to physician</b>	Treat symptomatically.

#### **5. FIREFEIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Advice for firefighters</b>	Wear self contained breathing apparatus for firefighting if necessary.

#### **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Use personal protective equipment.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal.

#### **7. HANDLING AND STORAGE**

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
<b>Storage</b>	Keep container closed in a dry and well-ventilated place.

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure controls</b>	We are not aware of any national exposure limit.
<b>Appropriate engineering controls</b>	General industrial hygiene practice.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
<b>Body Protection</b>	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure</b>	No special environmental precautions required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance form:</b>	liquid
<b>Odour</b>	no data available
<b>Odour threshold</b>	no data available
<b>pH</b>	no data available
<b>Melting point/freezing point</b>	no data available
<b>Initial boiling point and boiling range</b>	no data available
<b>Flash point</b>	no data available
<b>Evapouration rate</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Upper/lower flammability or explosive limits</b>	no data available
<b>Vapour pressure</b>	no data available
<b>Vapour density</b>	no data available
<b>Relative density</b>	no data available
<b>Water solubility</b>	no data available
<b>Partition coefficient: noctanol/water</b>	no data available
<b>Auto-ignition temperature</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	no data available
<b>Chemical stability</b>	Stable under normal conditions
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use
<b>Hazardous decomposition products</b>	None under normal use
<b>Polymerisation</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	not hazardous
<b>Principle Routes of Exposure/ Potential Health effects</b>	
<b>Eyes</b>	May cause eye irritation with susceptible persons.
<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>Inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed
<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitisation</b>	none

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	no data available
<b>Biodegradation</b>	Inherently biodegradable.
<b>Bioaccumulative potential</b>	Does not bioaccumulate.
<b>Mobility</b>	no data available

### 13. DISPOSAL CONSIDERATIONS

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

**UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

no data available

### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

### 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](http://www.pan-biotech.com) or reverse side of invoice or packing slip for additional terms and conditions of sale.