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## 1 Identification of the Substance / Preparation and of the Company / Undertaking

### 1.1 Product

Product group	<b>MMB Food Pathogen Prep-Kits</b>
Department	GBU Microbiology
Classification	Preparation (mixture)
Product	MMB Food Pathogen PREP-Kit Wash Buffer

#### 1.1.1 Product variants

This Information applies to the following product variants:

Bacteria I  
E.coli  
Salmonella  
Campylobacter  
Listeria  
DNA/RNA Virus

### 1.2 Manufacturer / Supplier

Company: Firma: Biotest AG • Landsteiner Str. 5 • 63303 Dreieich • Deutschland  
Phone: +49(0)6103/801-666 • Fax: +49(0)6103/801-133 •  
e-mail: arbeitssicherheit@biotest.de

Contact for information: • GBU Microbiology Product group management  
Phone +49(0)6221/72651-30 • Fax: +49(0) 6221/72651-39 • e-mail: hycon@biotest.de

### 1.3 Use of the substance/preparation

Test kit for biochemical applications

### 1.4 Emergency Phone see Manufacturer / Supplier

External Phone: +49(0)6131/19 240, Medizinische Klinik und Poliklinik der Universität Mainz

### 1.5 Principal demands according to Art. 32 REACH

- Registration number(s)	no registration required
- Authorisation	none
- Restrictions	none

## 2 Hazards Identification

No hazardous product as specified in directives 67/548 EG, 99/45/EC resp.  
regulation 1272/2008/EG (GHS)

## 3 Composition/Information on Ingredients

### 3.1 Hazardous Ingredients: no hazardous ingredients

Concentration (weight %)	IUPAC-Name	CAS-No.	Index-No.	EINECS-No..	Hazard Symbol	R-phrases
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### 3.2 Chemical characterization of the preparations

Aqueous buffer solution

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## 4 First aid measures

No specific measures required

### General instructions:

- |                                |  |
|--------------------------------|--|
| - After inhalation:            | remove to fresh air  |
| - After skin contact:          | wash off with water, remove contaminated clothing immediately. |
| - After contact with the eyes, | rinse the eyes with water with the eyelids open.               |
| - If swallowed:                | wash out mouth with plenty of water and call a Physician       |

### 4.1 Notes to the Physician

Show Physician this Information.

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## 5 Fire-fighting measures

### 5.1 Suitable extinguishing media

Product is not combustible, extinguishing media In adaptation to materials stored in the immediate neighbourhood,.

### 5.2 Extinguishing media not to be used

Not relevant

### 5.3 Special exposure hazards arising from substance, combustion products or developing gases

None

### 5.4 Special protective equipment required for fire-fighting

In case of fire in the neighbourhood wear self-contained breathing apparatus and protective clothing.

### 5.5 Further notes

None

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## 6 Accidental release measures

### 6.1 Person-related precautionary measures :

Wear working clothes

### 6.2 environmental precautions

No measures required

### 6.3 Methods for cleaning/absorption

Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.

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## 7 Handling and storage

### 7.1 Handling

No specific requirements

## 7.2 Storage

Keep tightly closed and cool

## 7.3 Specific use(s)

No specific requirements

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## 8 Exposure controls and personal protection

### 8.1 Exposure limit values germany

- MAK:---
- TRK:---
- BAT:---

### 8.2 Personal protective equipment

- Respiratory protection: not required
- Eye protection: safety glasses
- Hand protection: laboratory gloves
- Work hygiene: wash hands on finishing work.

### 8.3 Environmental exposure controls

Not required

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## 9 Physical and chemical properties

### 9.1 General information

Form: liquid  
Colour: colourless to slightly yellow  
Odour: odourless

### 9.2 Important health, safety and environmental information

Boiling temperature: approx. 100°C  
Melting temperature: not available  
Flash point: not applicable  
Decomposition temperature: not applicable  
Ignition temperature: not applicable  
Auto flammability: not applicable  
Explosion limits: lower: not applicable  
upper: not applicable  
Oxidising properties: not applicable  
Vapour pressure: not applicable  
Density: approx. 1,10 g/cm<sup>3</sup> (at +20°C)  
Bulk density: not applicable  
Solubility in water: soluble  
in Ethanol: soluble  
pH value: approx. 7,0  
distribution coefficient: not applicable

### 9.3 Further Information

None

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## 10 Stability and reactivity

### 10.1 Conditions to be avoided

- None

### 10.2 Substances to be avoided

- None

### 10.3 Hazardous decomposition products

- No information available

### 10.4 Further information

- None

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## 11 Toxicological information

### 11.1 Acute toxicity

No indications of acute toxicological effects of the preparations are known

### 11.2 Further toxicological information

Subacute to chronic toxicity            no data available  
Further information                        No toxic effects are expected at correct handling

- The product has to be handled with the for chemicals usual caution.

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## 12 Ecological information

### 12.1 Ecotoxicity

weakly hazardous in water

### 12.2 Mobility

Not dangerous

### 12.3 Persistence and degradability

Quantitative data not available. not applicable for inorganic substances

### 12.4 Bioaccumulative potential

Not existing

### 12.5 Results of PBT assessment

No data

### 12.6 Other adverse effects

None

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### 13 Disposal considerations

#### 13.1 Product

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations, and in the federal Republic of Germany also by the individual Federal States. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

#### 13.2 Contaminated Packaging

Empty, clean by washing, then treat like household waste or recycle.

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### 14 Transport information

The products are not subject to transport regulations.

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### 15 Regulatory information

Chemical safety reports of the components not yet available

#### 15.1 Labelling according to EC Directives

No hazardous preparation as specified in directives 67/548 EG, 99/45/EC resp. regulation 1272/2008/EG (GHS)

Hazard Symbol: ---

Hazard name: ---

R-phrases: ---

S-phrases: ---

#### 15.2 German regulations

App.I Seveso II No.: ---

TA Luft No./class: ---

Flammable liquids: ---

MAK-value: ---

Water hazard class: German WGK 1 (weakly hazardous)

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### 16 Other information

The information is based on our current level of knowledge and relates to the product in the state in which it is delivered. They are intended to describe our products from the point of view of safety requirements and are not intended to guarantee any particular properties.

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