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

1.1 Product

Product group	MMB Food Pathogen Detection-Kits
Department	GBU Microbiology
Classification	Preparation (mixture)
Products	This Information applies to the following product variants and sub-variants:

1.1.1 Product variants

Salmonella
Campylobacter (C. jejuni, C. lari, C. coli)
Listeria monocytogenes
Listeria Screening
STEC Screening Kit (Detection of stx 1/2 Genes)
Staphylococcus aureus
Vibrio cholerae
Bacillus cereus
Clostridium perfringens
Legionella pneumophila
Norovirus (GG I + GG II)

1.1.2 Possible Product sub-variants

LC-variants

Reaction Mix
Positive Control DNA
FDE (Fluorescence Detection Enhancer)
Taq DNA Polymerase

R-variants

Reaction Mix
Positive Control DNA
FDE (Fluorescence Detection Enhancer)
Taq DNA Polymerase

V-variants

Reaction Mix
Positive Control DNA
Taq DNA Polymerase
ROX Dye

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) -
- 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

3.2 Chemical characterization of the preparations

Aqueous solution of inorganic salts and synthetically produced DNA

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.

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

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.

7 Handling and storage

7.1 Handling

No specific requirements

7.2 Storage

Keep tightly closed at -20°C

7.3 Specific use(s)

No specific requirements

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

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 ³ (at +20°C)
Bulk density:	not applicable
Solubility in water:	soluble
in Ethanol:	soluble
pH value:	approx. 8,3
distribution coefficient:	not applicable

9.3 Further Information

None

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

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.

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

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.

14 Transport information

The products are not subject to transport regulations.

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)

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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