

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.05.2023

Version number 1

Revision: 31.05.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

· **1.1 Product identifier**

· **Trade name:** foodproof Detection and Quantification PCR Kits

· **Product variants:**

- KIT230018 / foodproof® Yersinia enterocolitica and pseudotuberculosis Detection Kit (Ref. F 302 53)
- KIT230034 / foodproof® E. coli and Shigella Detection Kit (Ref. R 300 09)
- KIT230035 / foodproof® E. coli O157 Detection Kit - Hybridization Probes - (Ref. R 300 10)
- KIT230036 / foodproof® Listeria monocytogenes Detection Kit (Ref. R 300 23)
- KIT230040 / foodproof® Brucella Detection Kit (Ref. R 302 04)
- KIT230041 / foodproof® Campylobacter Quantification Kit (Ref. R 302 05)
- KIT230042 / foodproof® E. coli O157 Detection Kit (Ref. R 302 10)
- KIT230043 / foodproof® Enterobacteriaceae plus Cronobacter Detection Kit (Ref. R 302 15.1)
- KIT230044 / foodproof® GMO Bt176 Maize Quantification Kit (Ref. R 302 16)
- KIT230045 / foodproof® GMO Screening Kit (35S, NOS, bar, FMV) (Ref. R 302 17)
- KIT230046 / foodproof® GMO RR Soya Quantification Kit (Ref. R 302 19)
- KIT230047 / foodproof® Listeria Genus Detection Kit (Ref. R 302 20)
- KIT230048 / foodproof® Listeria monocytogenes Detection Kit (Ref. R 302 23)
- KIT230049 / foodproof® Salmonella Detection Kit (Ref. R 302 27)
- KIT230050 / foodproof® Salmonella Detection Kit (Ref. R 302 27 L)
- KIT230051 / foodproof® Alicyclobacillus Detection Kit (Ref. R 302 28)
- KIT230052 / foodproof® GMO 35S Maize Quantification Kit (Ref. R 302 29)
- KIT230066 / foodproof® Beer Screening Kit - Hybridization Probes - (Ref. R 310 02)
- KIT230067 / foodproof® Campylobacter Detection Kit - Hybridization Probes - (Ref. R 310 05)
- KIT230068 / foodproof® Enterobacteriaceae plus Cronobacter Detection Kit (Ref. R 310 15.1)
- KIT230069 / foodproof® Enterobacteriaceae plus Cronobacter Detection Kit (Ref. R 310 15.1 L)
- KIT230070 / foodproof® Salmonella Detection Kit - Hybridization Probes - (Ref. R 310 27)

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

No further relevant information available.

· **Application of the substance / the mixture**

PCR-Kit for the detection of certain DNA. Target DNA as specified on separate enclosure.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Hygiena Diagnostics GmbH  
Hermannswerder 17  
14473 Potsdam  
GERMANY  
Phone: +49 (0) 331-23 00 200  
www.hygiena.com

BIOTECON Diagnostics GmbH  
Hermannswerder 17  
14473 Potsdam  
GERMANY  
Phone: +49 (0) 331-23 00 200  
www.bc-diagnostics.com

· **Informing department:**

Phone: +49 (0) 331-23 00 200  
Fax: +49 (0) 331-23 00 299

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· **1.4 Emergency telephone number:**

Phone: +49 (0) 331-23 00 200

Office hours: 09:30 - 16:00

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

PCR-Kit for the detection of certain DNA. Target DNA as specified on separate enclosure.

· **Dangerous components:**

CAS: 56-81-5	glycerol	25 - 50%
EINECS: 200-289-5	substance with a Community workplace exposure limit	
Reg.nr.: 01-2119471987-18-X		

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information** Remove contaminated clothing immediately.

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

· **After swallowing** Do not induce vomiting; instantly call for medical help.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** None known.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Observe information for safe handling (item 7) and personal protective equipment (item 8).
- **6.2 Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Send for recovery or disposal in suitable containers.  
Absorb liquid components with liquid-binding material.  
Complete cleaning with water.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed containers.  
Keep away from heat and direct sunlight.  
Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store only in the original container.  
Prevent any penetration into the ground.
- **Information about storage in one common storage facility:**  
Keep away from strong oxidizing, alkalis and acidic materials.
- **Further information about storage conditions:**  
Store in the dark.  
Protect from the effects of light.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
WEL: workplace exposure limit  
OEL: Occupational Exposure Limit

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### 56-81-5 glycerol

WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the compilation were used as basis.

#### · 8.2 Exposure controls

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Hand protection** Use gloves of stable material (i.e. nitril rubber).

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Nitrile rubber, NBR

- **Eye/face protection** Safety glasses recommended during refilling.

- **Body protection:** Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

- **General Information**

· <b>Colour:</b>	Colourless
· <b>Odour:</b>	odourless
· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	> 100 °C
· <b>Flash point:</b>	Not applicable
· <b>SADT</b>	
· <b>pH</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible
· <b>Density and/or relative density</b>	
· <b>Density</b>	Not determined

### · 9.2 Other information

- **Appearance:**

- **Form:** Liquid

- **Important information on protection of health and environment, and on safety.**

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive.

- **Information with regard to physical hazard classes**

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void

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· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**56-81-5 glycerol**

Oral	LD50	27,200 mg/kg (rat)
Dermal	LD50	56,750 mg/kg (guinea pig)
Inhalative	LC50	> 11 mg/l/1h (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### 56-81-5 glycerol

EC50 (static)	1,955 mg/l/48h (Daphnia magna)
IC5	> 10,000 mg/l/7d (Scenedesmus quadricauda)
EC5	> 10,000 mg/l/16h (Pseudomonas putida)
EC5	3,200 mg/l/72h (Entosiphon sulcatum)
LC50 (static)	54,000 mg/l/96h (Oncorhynchus mykiss)

· **12.2 Persistence and degradability** No further relevant information available.

· **Other information:** There are no data available about the preparation.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

#### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### · 12.7 Other adverse effects

##### · Additional ecological information:

##### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

· **Recommendation** Proceed according to local, official regulations.

##### · European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 08*	other still bottoms and reaction residues

##### · Uncleaned packagings:

##### · Recommendation:

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

· **ADR/RID, ADN, IMDG, IATA** Void

#### · 14.2 UN proper shipping name

· **ADR/RID, ADN, IMDG, IATA** Void

#### · 14.3 Transport hazard class(es)

· **ADR/RID, ADN, IMDG, IATA**

· **Class** Void

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· <b>14.4 Packing group</b> · <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

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· **Department issuing data specification sheet:**

► **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:  
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
phone: (+49) 511 42079 - 0, reach@dekra.com.

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· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative

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