

## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 18.05.2008

Revision: 18.05.2008

### 1 Identification of substance:

- **Product details:**
- **Trade name:** *foodproof® E. coli O157 Detection Kit*
- **Article number:**  
R 300 10 Hybridization Probes (LC 1.x, 2.0)  
R 301 10 Hybridization Probes (LC 480)  
R 302 10 TqM Probes
- **Application of the substance / the preparation** *Detection System Solutions*
- **Manufacturer/Supplier:**  
*Biotecon Diagnostics GmbH  
Hermannswerder Haus 17  
14473 Potsdam  
Tel: +49 (0) 331-23 00 200*
- **Informing department:**  
*Tel: +49 (0) 331-23 00 200  
Fax: +49 (0) 331-23 00 299*
- **Emergency information:** *Tel: +49 (0) 331-23 00 200*

### 2 Hazards identification

- **Hazard designation:** *void*
- **Information pertaining to particular dangers for man and environment** *void*
- **Classification system**  
*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *PCR kit for the qualitative detection of E. coli O157 DNA.*
- **Dangerous components:** *Void*

### 4 First aid measures

- **General information**  
*Remove contaminated clothing.  
No special measures required.*
- **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.*

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### 5 Fire fighting measures

- **Suitable extinguishing agents**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained breathing apparatus.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Observe information for safe handling (item 7) and personal protective equipment (item 8).
- **Measures for environmental protection:**  
Do not allow to enter drainage system, surface or ground water.  
Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/collecting:**  
Send for recovery or disposal in suitable containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

### 7 Handling and storage

- **Handling**
- **Information 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.
- **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.

### 8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** 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.

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- **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 protection:** Safety glasses recommended during refilling.
- **Body protection:** Wear suitable protective clothing.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	odourless

#### · Change in condition

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** > 100 °C

- |  |                              |
|--|------------------------------|
| · <b>Flash point:</b>                            | Not applicable               |
| · <b>Self-inflammability:</b>                    | Product is not selfigniting. |
| · <b>Danger of explosion:</b>                    | Product is not explosive.    |
| · <b>Density</b>                                 | Not determined               |
| · <b>Solubility in / Miscibility with Water:</b> | Fully miscible               |
| · <b>pH-value at 20 °C:</b>                      | ca. 8                        |
| · <b>Solvent content:</b>                        |                              |
| <b>Organic solvents:</b>                         | 0.0 %                        |
| <b>Water:</b>                                    | >90 %                        |

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**  
None in case of intended use and storage in compliance with instructions.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

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### 12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** There are no data available about the preparation.
- **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.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed with household waste.
- **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.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVSE Class:** No hazardous good.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not Restricted.
- **Transport/Additional information:** Not dangerous according to the above specifications.

### 15 Regulatory information

- **Designation according to EC guidelines:**  
Observe the normal safety regulations when handling chemicals  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 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.

- **Department issuing data specification sheet:**  
This Material Safety Data Sheet has been drawn up in cooperation with:  
DEKRA Umwelt GmbH, Vahrenwalder Str. 207 A, D-30165 Hannover,  
Tel.: +49-(0)511-963550.
- **\* Data compared to the previous version altered.**