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

1.1 Product identifier
- Trade name: foodproof® Celery Detection Kit - 5'Nuclease
- Article number: R 302 60

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: Test Kit

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  BIOTECON Diagnostics GmbH
  Hermannswerder Haus 17
  14473 Potsdam
  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

1.4 Emergency telephone number:
- Phone: +49 (0) 331-23 00 200

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.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
- Description: PCR Detection kit of isolated DNA from celery.

- Dangerous components:
  - CAS: 56-81-5
glycerol
  - EINECS: 200-289-5
  - substance with a Community workplace exposure limit
  - Reg.nr.: 01-2119471987-18-X
  - 50 - 100%

  - CAS: 7791-18-6
  - magnesium chloride, hexahydrate
  - ≤ 1%
  - Eye Irrit. 2, H319

(Contd. on page 2)
Trade name: foodproof® Celery Detection Kit - 5'Nuclease

**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** If skin irritation continues, consult a doctor.
- **After eye contact** Call a doctor immediately.
- **After swallowing** In case of persistent symptoms consult doctor.

- **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.

**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.
  - **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** Not required.
- **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.
- **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.
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

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL (Great Britain)</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5 glycerol</td>
<td></td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

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

8.2 Exposure controls
- Personal protective equipment
  - General protective and hygienic measures
    - Wash hands during breaks and at the end of the work.
  - Breathing equipment: Not required.
- Protection of hands:
  - Use gloves of stable material (i.e. nitril rubber).
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - 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 protection: Not required.
  - Body protection: Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
- General Information
  - Appearance:
    - Form: Fluid
    - Colour: Different according to colour
    - Odour: Odourless
  - Odour threshold: Not determined.
  - pH-value: Not applicable.
### 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 toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **Primary irritant effect:**
    - **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.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
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· 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.

SECTION 12: Ecological information

· 12.1 Toxicity
· Aquatic toxicity: No further relevant information available.
· 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.
· 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.
· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.
· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation Smaller quantities can be disposed with household waste.
· Uncleaned packagings:
· Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

· 14.1 UN-Number
· ADR/ADN, ADN, IMDG, IATA Void
· 14.2 UN proper shipping name
· ADR/ADN, ADN, IMDG, IATA Void
· 14.3 Transport hazard class(es)
· ADR/ADN, ADN, IMDG, IATA Void
· Class Void
· 14.4 Packing group
· ADR/ADN, IMDG, IATA Void
· 14.5 Environmental hazards:
· Marine pollutant: No
· 14.6 Special precautions for user Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
· Transport/Additional information: Not dangerous according to the above specifications.
Trade name: foodproof® Celery Detection Kit - 5'Nuclease

<table>
<thead>
<tr>
<th>Section 15: Regulatory information</th>
</tr>
</thead>
<tbody>
<tr>
<td>· <strong>UN &quot;Model Regulation&quot;:</strong></td>
</tr>
<tr>
<td>· Void</td>
</tr>
</tbody>
</table>

| · **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. |
| · **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. |

<table>
<thead>
<tr>
<th>Section 16: Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

| · **Relevant phrases** |
| · H319 Causes serious eye irritation. |

| · **Department issuing data specification sheet:** |
| · This Material 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:** |
| · ADR: Accord européen sur le transport 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) |
| · PBT: Persistent, Bioaccumulative and Toxic |
| · SVHC: Substances of Very High Concern |
| · vPvB: very Persistent and very Bioaccumulative |
| · Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 |

| · **Data compared to the previous version altered.** |