

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

Printing date 17.06.2013

Version number 1

Revision: 17.06.2013

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

· **Product identifier**

· **Trade name:** foodproof® SL GMO Maize/Soya Detection Kit

· **Article number:**

Z72001 foodproof® SL GMO Bt11 Maize Detection Kit
 Z72002 foodproof® SL GMO GA21 Maize Detection Kit
 Z72003 foodproof® SL GMO MON810 Maize Detection Kit
 Z72004 foodproof® SL GMO T25 Maize Detection Kit
 Z72005 foodproof® SL GMO MIR162 Maize Detection Kit
 Z72006 foodproof® SL GMO MIR604 Maize Detection Kit
 Z72007 foodproof® SL GMO MON88017 Maize Detection Kit
 Z72008 foodproof® SL GMO MON89034 Maize Detection Kit
 Z72009 foodproof® SL GMO NK603 Maize Detection Kit
 Z72010 foodproof® SL GMO TC1507 Maize Detection Kit
 Z72011 foodproof® SL GMO DAS 59112-7 Maize Detection Kit
 Z72012 foodproof® SL GMO MON863 Maize Detection Kit
 Z72201 foodproof® SL GMO A2704-12 Soya Detection Kit
 Z72202 foodproof® SL GMO GTS40-3-2 Soya Detection Kit

· **Relevant identified uses of the substance or mixture and uses advised against**
 No further relevant information available.

· **Application of the substance / the preparation** Test Kit

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

· **Manufacturer/Supplier:**

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

· **Informing department:**

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

· **Emergency telephone number:** Tel: +49 (0) 331-23 00 200

2 Hazards identification

· **Classification of the substance or mixture**

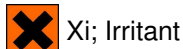
· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.06.2013

Version number 1

Revision: 17.06.2013

Trade name: foodproof® SL GMO Maize/Soya Detection Kit

(Contd. from page 1)

- **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.

- **Label elements**

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

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P264

Wash thoroughly after handling.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.



- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** PCR kit for the qualitative detection of genetically modified material (GMO).

- **Dangerous components:**

CAS: 60-00-4 EINECS: 200-449-4	edetic acid  Xi R36  Eye Irrit. 2, H319	≤10%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	≤10%
CAS: 77-86-1 EINECS: 201-064-4 Reg.nr.: 01-2119957659-16-X	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	≤10%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**

- **General information** Remove contaminated clothing.

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

- **After skin contact** If skin irritation continues, consult a doctor.

- **After eye contact**

Keep eye lids open and rinse them amply with clean running water for at least 15 minutes.

Call a doctor immediately.

- **After swallowing** In case of persistent symptoms consult doctor.

- **Information for doctor**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.06.2013

Version number 1

Revision: 17.06.2013

Trade name: foodproof® SL GMO Maize/Soya Detection Kit

(Contd. from page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable containers.
- **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.

7 Handling and storage

- **Handling**
 - **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.
- **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.
 - **Recommended storage temperature:** approx. 2 °C to 8 °C
 - **Storage class** 12 Non flammable liquids according to TRGS 510
 - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
OEL: occupational exposure limit
WEL: workplace exposure limit

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.06.2013

Version number 1

Revision: 17.06.2013

Trade name: foodproof® SL GMO Maize/Soya Detection Kit

(Contd. from page 3)

56-81-5 glycerol

WEL (Great Britain) Long-term value: 10 mg/m³

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

· **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:** Safety glasses

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

9 Physical and chemical properties

· **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 determined

· **Change in condition**

· **Melting point/Melting range:**

Not determined

· **Boiling point/Boiling range:**

Not determined

· **Flash point:**

Not applicable

· **Inflammability (solid, gaseous)**

Not determined.

· **Ignition temperature:**

· **Decomposition temperature:**

Not determined.

· **Self-inflammability:**

Product is not selfigniting.

· **Danger of explosion:**

Product is not explosive.

· **Critical values for explosion:**

· **Lower:**

Not determined.

(Contd. on page 5)

Safety data sheet

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Version number 1

Revision: 17.06.2013

Trade name: foodproof® SL GMO Maize/Soya Detection Kit

(Contd. from page 4)

· Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Density	Not determined
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· Water:	Insoluble
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· dynamic:	Not applicable.
· kinematic:	Not applicable.
· Solvent content:	
· Organic solvents:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**
 - **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** Irritant effect.
 - **Sensitization:** No sensitizing effect known.

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
 - **Other information:** There are no data available about the preparation.
- **Behaviour in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
 - **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

(Contd. on page 6)

Safety data sheet

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Version number 1

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(Contd. from page 5)

- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
The waste code numbers mentioned are recommendations based on the probable use of the product.

· European waste catalogue	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

- **Uncleaned packagings:**
 - **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

· UN-Number · ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · ADR, ADN, IMDG · Class	Void
· IATA · Class	Void Not Restricted.
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

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(Contd. on page 7)

Safety data sheet

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Trade name: foodproof® SL GMO Maize/Soya Detection Kit

(Contd. from page 6)

15 Regulatory information

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

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

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



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· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
NK	≤10

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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

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.

· **Relevant phrases**

H319 Causes serious eye irritation.

R36 Irritating to eyes.

· **Department issuing data specification sheet:**

This Material Safety Data Sheet has been drawn up in cooperation with:
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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 Harmonized 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)