

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Trade name: **foodproof® Salmonella and Cronobacter LyoKits**
- Product code(s):
 - KIT230081 **foodproof® Cronobacter** Detection LyoKit - LP (Ref. R 602 13-1)
 - KIT230082 **foodproof® Cronobacter** Detection LyoKit - RP (Ref. R 602 13-2)
 - KIT230083 **foodproof® Cronobacter** Detection LyoKit - DP (Ref. R 602 13-3)
 - KIT230099 **foodproof® Salmonella** Detection LyoKit - LP (Ref. R 602 27-1)
 - KIT230100 **foodproof® Salmonella** Detection LyoKit - LP (Ref. R 602 27-1 L)
 - KIT230101 **foodproof® Salmonella** Detection LyoKit - RP (Ref. R 602 27-2)
 - KIT230102 **foodproof® Salmonella** Detection LyoKit - DP (Ref. R 602 27-3)
 - KIT230131 **foodproof® Salmonella plus Cronobacter** Detection LyoKit - LP (Ref. R 602 57-1)
 - KIT230132 **foodproof® Salmonella plus Cronobacter** Detection LyoKit - RP (Ref. R 602 57-2)
 - KIT230133 **foodproof® Salmonella plus Cronobacter** Detection LyoKit - DP (Ref. R 602 57-3)
 - KIT230137 **foodproof® Enterobacteriaceae plus Salmonella** Detection LyoKit - LP (Ref. R 602 67-1)
 - KIT230138 **foodproof® Enterobacteriaceae plus Salmonella** Detection LyoKit - RP (Ref. R 602 67-2)
 - KIT230139 **foodproof® Enterobacteriaceae plus Salmonella** Detection LyoKit - DP (Ref. R 602 67-3)

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

Hygiena Diagnostics GmbH
Hermannswerder 17
14473 Potsdam
Phone: +49 (0) 331-23 00 200
Fax: +49 (0) 331-23 00 299
www.hygiena.com

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**· 3.1 Substances**

- Not applicable.

· 3.2 Mixtures

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

Dangerous components: Void

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

- General information

Remove contaminated clothing immediately. No special measures required.

- After inhalation

Supply fresh air; consult doctor in case of symptoms.

- After skin contact

Wash with water and soap. If skin irritation continues, consult a doctor.

- After eye contact

Rinse opened eye for several minutes under running water.

In case of permanent aches and pains please go and see the doctor.

- After swallowing

In case of persistent symptoms, consult a 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

Use firefighting measures that suit the environment.

· 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 (Section 7) and personal protective equipment (Section 8).

· 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders) and 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 protective 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.
- 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:
2 to 8 °C

· 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:
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.

· 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 when used as intended.
- Protection of hands:
Protective gloves are recommended at frequent and/or long-term skin contact with the product.
To avoid skin problems, reduce the wearing of gloves to the required minimum.
- Material of gloves
The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:
Safety glasses recommended if the possibility of liquid splashes exists.
- Body protection:
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General Information**

Physical state	liquid
Odor	odorless
Odor threshold	not determined

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not applicable
Inflammability (solid, gaseous)	not determined
Decomposition temperature	not determined
Self-inflammability	Product is not selfigniting.
Explosive properties	Product is not explosive.
Critical values for explosion	
Lower	not determined
Upper	not determined
Vapor pressure	not applicable
Density	not determined
Vapor density	not applicable
Evaporation rate	not applicable
Solubility in / Miscibility with Water	partly soluble
Partition coefficient: n-octanol/water	not determined
Viscosity (dynamic, kinematic)	not determined
Solvent content Organic solvents	0.0 %

· 9.2 Other information

- No further relevant information available.

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.
- 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.
- 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.
- **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.
Smaller quantities can be disposed with household waste.
 - Uncleaned packagings:
 - Recommendation:
Dispose of packaging according to regulations on the disposal of packages. Non contaminated packages can be used for recycling.
Packages that cannot be cleaned are to be disposed of in the same manner as the product.
 - Recommended cleaning agent:
Water, if necessary with cleaning agent.

SECTION 14: Transport information

- **14.1 UN-Number**
 - ADR, ADN, IMDG, IATA Void
- **14.2 UN proper shipping name**
 - ADR, ADN, IMDG, IATA Void
- **14.3 Transport hazard class(es)**
 - ADR, ADN, IMDG, IATA
 - Class Void
- **14.4 Packing group**
 - ADR, 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.

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 are listed.
 - National regulations
 - **Water hazard class**
 - Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:**
 - A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This safety data sheet meets the requirements of Regulation (EU) 1907/2006.

- **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
vPvB: very Persistent and very Bioaccumulative

- **Disclaimer**

This information is based upon the present state of our knowledge.