

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

· Trade name: **foodproof® StarPrep and ShortPrep Kits**

· Product code(s):

KIT230170 **foodproof®** ShortPrep I Kit (Ref. S 400 01)
KIT230171 **foodproof®** ShortPrep II Kit (Ref. S 400 02)
KIT230175 **foodproof®** StarPrep One Kit (Ref. S 400 07)
KIT230176 **foodproof®** StarPrep One Kit (Ref. S 400 07 L)
KIT230177 **foodproof®** StarPrep Two Kit (Ref. S 400 08.1)
KIT230183 **foodproof®** StarPrep One 8-Strip Kit (Ref. S 400 14 L)
KIT230186 **foodproof®** StarPrep Two 8-Strip Kit (Ref. S 400 17 L)
KIT230187 **foodproof®** StarPrep Three Kit (Ref. S 400 18)
KIT230188 **foodproof®** StarPrep Three 8-Strip Kit (Ref. S 400 18 L)

· 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

Laboratory and analytical use / Sample preparation solutions

· 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

· Additional information:

Contains 2-Chloroacetamide. May produce an allergic reaction. Safety data sheet available on request.

· 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: Aqueous reagent solution for the preparation of DNA for direct use in PCR.

Dangerous components:

CAS: 79-07-2 EINECS: 201-174-2 Index number: 616-036-00-0 Reg.nr.: 01-2119958971-23-X	2-Chloroacetamide Acute Tox. 3, H301; Repr. 2, H361f; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.1 %	< 0.1 %
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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
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.

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**

Observe information for safe handling (Section 7) and personal protective equipment (Section 8).

· 6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

· 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. 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:
None
- Recommended storage temperature:
15 to 25 °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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- 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.
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 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)	ca. 9
Melting point/freezing point	not determined
Initial boiling point and boiling range	> 100 °C
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 Upper	not determined not determined
Vapor pressure	not applicable
Density	not determined
Vapor density	not applicable
Evaporation rate	not applicable
Solubility in / Miscibility with Water	dispersible
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.

· LD/LC50 values that are relevant for classification:**79-07-2 2-Chloroacetamide**

Oral	LD50	138 mg/kg (rat)
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· 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.
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
18 00 00	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE)
18 02 00	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 06	chemicals other than those mentioned in 18 02 05

- 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.

- **Relevant phrases**

H301 Toxic if swallowed.

H317 May cause an allergic skin reaction.

H361f Suspected of damaging fertility.

- **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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 2: Reproductive toxicity – Category 2

- **Disclaimer**

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