

Safety Data Sheet

Trypsin (2,5%) in DPBS (10x)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of Compilation 09.10.2017

Revision Date 16.01.2024

Version 002/01.2024

Replaces Version of 03.08.2022 (Version 001/08.2022)

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifiers

Product name: Trypsin (2,5%) in DPBS (10x)

Catalogue No: TRY-2B10

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH
Auf der Lette 13 A
35085 Ebsdorfergrund
Germany
Phone: +49 6424 94464 0
E-Mail: info@capricorn-scientific.com

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

The product is classified and labelled in accordance with Directive 1999/45/EC.

Hazard to human and the environment: Not hazardous

GHS-Classification: no data available.

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Section 3 Composition/Information on Ingredients

Chemical composition: The product contains no substances which at their given concentration, are considered to be hazardous to health.

Additional considerations: no data available.

Section 4 First Aid Measures

Description of first aid measures

General advice	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance. Treat symptomatically.
If inhaled	Remove person into fresh air. Call a physician.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with plenty of water/ shower for at least 15 minutes. Immediate medical attention is required.
In case of eye contact	Rinse out with plenty of water. Remove contact lenses. Immediate medical attention is required.
If swallowed	Make victim drink water (two glasses at most). Do not induce vomiting without medical advice. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO₂), dry chemical, Foam

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

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Hydrogen chloride gas, Sodium oxides, mixture with combustile ingredients, development of hazardous combustion gases or vapours possible in the event of fire.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel

Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material.

Reference to other sections

For disposal see section 13:

Section 7 Handling and Storage

Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Keep locked up or in an area accessible only to qualified or authorized persons.
Recommended storage temperature -20 °C.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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Section 8 Exposure Controls/Personal Protection

Control parameters

Ingredients with workplace control parameters

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

Skin protection

Wear laboratory coat for body protection. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory protection

Required when vapors/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Odor	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or exposure limits	No data available
Vapor pressure	No data available
Vapor density	No data available

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Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity (kinematic/dynamic)	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

Section 10 Stability and Reactivity

Reactivity

No data available.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

In the event of fire: see section 5

Section 11 Toxicological Information

Information on toxicological effects

Mixture

Acute toxicity

Skin corrosion/irritation

Mixture causes skin irritation.

Serious eye damage/irritation

Mixture causes serious eye irritation.

Respiratory or skin sensitization

Mixture may cause allergy or asthma symptoms or breathing difficulties.

Germ cell mutagenicity

No data available

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Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure Mixture may cause respiratory irritation.

Specific target organ toxicity - repeated exposure No data available

Aspiration Hazard No data available

Additional information Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Section 12 Ecological Information

Toxicity No data available.

Persistence and degradability No data available.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No information available.

Section 13 Disposal Considerations

Waste treatment methods

Product

See a disposal company for processes regarding the return of chemicals and containers or contact us there if you have further questions.

Section 14 Transport Information

UN-number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

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IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Further information

Not classified as dangerous in the meaning of transport regulations.

Section 15 Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

Not applicable.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.