

## Safety Data Sheet

Trypsin-EDTA (0.25%) in HBSS (1x), with Phenol Red

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

Date of compilation 24.10.2018

Revision Date 01.07.2025

Version 004/07.2025

Replaces version of 09.04.2024 (Version 003/04.2024)

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

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#### Product identifiers

Product name: Trypsin-EDTA (0.25%) in HBSS (1x), with Phenol Red

Catalogue No.: TRY-3B

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  
For research and development or in-vitro diagnostic use only.  
Not for therapeutic use. Not for use on human subjects.

#### 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](mailto:info@capricorn-scientific.com)  
Website: [www.capricorn-scientific.com](http://www.capricorn-scientific.com)

#### Emergency telephone number

Emergency Phone: +49 6424 94464 0 (on workdays, Mon. to Fri. from 8:00 – 16:00 h CET/CEST)

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### Section 2 Hazards identification

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Skin Sensitization (Category 1) H317

For the full text of the H-Statements mentioned in this Section, see below.

#### Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram



Signal Word

Warning

#### Hazard statements:

H317 May cause allergic skin reaction.

#### Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
**P272 Contaminated work clothing should not be allowed out of the workplace.**  
 P280 Wear protective gloves.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.

#### Supplemental Hazard Statements:

none

#### Other hazards

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

#### Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### Section 3 Composition/information on ingredients

#### Mixtures

Chemical name	Identification	Chemical Classification	Concentration
<b>Trypsin (porcine origin)</b>	CAS: 9002-07-7 EC: 232-650-8 Index: 647-010-00-7 REACH: Non-applicable	Skin Sens. 1, H317	≥ 0,1 %

Synonyms: Porcine Trypsin

### Section 4 First aid measures

#### Description of first aid measures

<b>General notes</b>	Show this material safety data sheet to the doctor in attendance.
<b>Following skin contact</b>	In case of skin contact: Rinse skin with water/ shower. Take off immediately all contaminated clothing. Consult a physician.
<b>Following eye contact</b>	Remove contact lenses. Rinse immediately carefully and thoroughly with eyebath or water. If eye irritation persists: Get medical advice/attention.
<b>Following ingestion</b>	Make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
<b>Following inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>Following swallowing</b>	Make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Consider personal protective equipment as indicated in section 8.
<b>Most important symptoms and effects, both acute and delayed</b>	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
<b>Indication of any immediate medical attention and special treatment needed</b>	No data available

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### Section 5 Firefighting measures

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#### Extinguishing media

**Suitable extinguishing media** Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

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

#### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides, Oxides of phosphorus, Hydrogen chloride gas, Sodium oxides, Potassium oxides, Non combustible

Development of hazardous combustion gases possible in the event of fire.

#### Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### Section 6 Accidental release measures

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#### Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate entilation. 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 material 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. Dispose of properly. Clean up affected area.

**Reference to other sections** For disposal see section 13.

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### Section 7 Handling and storage

**Precautions for safe handling** For precautions see section 2.

**Conditions for safe storage, including any incompatibilities**

**Storage** Conditions: Tightly closed. Stability: Recommended storage temperature:  $\leq -15^{\circ}\text{C}$ .

**Specific end use(s)** Apart from the uses mentioned in section 1 no other specific uses are stipulated.

### 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

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Full contact:	Material: Nitrile rubber	Minimum layer thickness: 0,11 mm	Break through time: 480 min
Splash contact:	Material: Nitrile rubber	Minimum layer thickness: 0,11 mm	Break through time: 480 min

**Body Protection** Protective clothing

#### Respiratory protection

Required when dusts 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.

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### Section 9 Physical and chemical properties

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#### Information on basic physical and chemical properties

Physical state	liquid
Colour	No data available
Odour (Threshold)	No data available
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flammability (solid, gas)	No data available
Upper/lower explosion limit	No data available
Flash point	No data available
Autoignition temperature	Not applicable
Decomposition temperature	No data available
pH	No data available
Viscosity - Kinematic:	No data available
- Dynamic:	No data available
Water solubility	soluble at +20 °C
Partition coefficient [n-octanol/water]	No data available
Vapour pressure	No data available
Density/Relative density	No data available
Relative vapour density	No data available
Particle characteristics	No data available
Oxidizing properties	none

Other information No data available

### Section 10 Stability and Reactivity

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Reactivity	No data available
Chemical stability	The product is chemically stable under recommended conditions.
Possibility of hazardous reactions	Violent reactions possible with: The known reaction partners of water.
Conditions to avoid	No information available
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5

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### Section 11 Toxicological information

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#### Information on toxicological effects

Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
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Skin corrosion/irritation	No data available
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Serious eye damage/eye irritation	No data available
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Respiratory or skin sensitization	No data available
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Germ cell mutagenicity	No data available
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Carcinogenicity	No data available
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Reproductive toxicity	No data available
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Specific target organ toxicity	
- single exposure	No data available
- repeated exposure	No data available

Aspiration hazard	No data available
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#### Additional Information

##### Endocrine disrupting properties

###### *Product*

**Assessment:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Section 12 Ecological information

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Toxicity	<i>Mixture</i>	No data available
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Persistence and degradability		No data available
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Bioaccumulative potential		No data available
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Mobility in soil		No data available
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**Results of PBT and vPvB assessment** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Endocrine disrupting properties

#### *Product:*

**Assessment :** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other adverse effects** No data available

## Section 13 Disposal considerations

### Waste treatment methods

#### *Product:*

Discourage sewage disposal. Dispose of waste according to applicable legislation.

### Contaminated packaging

Dispose of as unused product. Dispose of waste according to applicable legislation.

## Section 14 Transport Information

In accordance with ADR / RID / IMDG / IATA

ADR/RID	IMDG	IATA
<b>UN number</b>		
-	-	-
<b>UN proper shipping name</b>		
Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>Transport hazard classes</b>		
-	-	-
<b>Packaging group</b>		
-	-	-
<b>Environmental hazards</b>		
no	Marine pollutant: no	no

**Special precautions for user** Not classified as dangerous in the meaning of transport regulations.

**Maritime transport in bulk according to IMO instruments** No data available



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### 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.

**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 regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;  
AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight;  
CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation;  
DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;  
EmS - Emergency Schedule; ENCS - Existing & New Chemical Substances (Japan);  
ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice;  
IARC - International Agency for Research on Cancer; IATA - International Air Transport Association;  
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;  
IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization;  
IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods;  
IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan);  
ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory;  
LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);  
MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;  
NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level;  
NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals;  
OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention;  
PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances;  
(Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature;  
SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory;  
TSCA - Toxic Substances Control Act (United States); UN - United Nations;  
UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative