Safety data sheet

NutriCulture Trypsin-EDTA (0.25%), phenol red

Product name NutriCulture Trypsin-EDTA (0.25%), phenol red	Catalog no. TE025
Synonyms Trypsin-EDTA solution (0.25%)	SDS revision -
CAS no. -	Format version / date 3 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	NutriCulture Trypsin-EDTA (0.25%), phenol red
Product code	TE025
CAS number	-
EC number	-
Recommended use	For research use only. Cell dissociation, cell culture passaging and primary tissue dissociation. Not for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Respiratory sensitization, Category 1 (H334), under Regulation (EC) No. 1272/2008 (CLP).
Label elements	GHS08; Danger.
Symbols / pictograms	
Signal word	Danger
Hazard statements	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statements - Prevention	P261 - Avoid breathing mist or aerosols. P284 - In case of inadequate ventilation wear respiratory protection.
Precautionary statements - Response	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
Other hazards	Enzyme-containing preparations may cause respiratory sensitization following inhalation of aerosols.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	NutriCulture Trypsin-EDTA (0.25%), phenol red
Synonyms	Trypsin-EDTA solution (0.25%)
Concentration	0.25% (w/v) trypsin; EDTA amount not available
Formula	Not applicable - multi-component aqueous mixture.
Molecular weight	Not applicable - mixture.
Mixture statement	Aqueous mixture containing 0.25% (w/v) porcine pancreatic trypsin (CAS 9002-07-7), EDTA and phenol red. Exact concentrations of EDTA and other components are not available.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
Skin contact	Wash skin with water; remove contaminated clothing. Get medical advice if irritation persists.
Inhalation	Move the person to fresh air. If breathing is difficult or respiratory symptoms occur, obtain immediate medical advice.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Seek medical advice if unwell.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	Respiratory allergy, asthma symptoms or breathing difficulties may occur following inhalation.
Notes to physicians	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	No specific fire hazards established for the mixture.
Explosion data	Sensitivity to mechanical impact: No data available. Sensitivity to static discharge: No data available.
Advice for firefighters	Use standard chemical-fire procedures and suitable protective equipment.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid aerosols and use adequate ventilation. Wear eye protection, gloves and laboratory clothing; wear respiratory protection if ventilation is inadequate.
Environmental precautions	Avoid release to drains and waterways.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and collect in a suitable container.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes, skin and clothing. Avoid aerosol formation. Do not ingest. Use appropriate protective equipment.
Conditions for safe storage	Store at -20 °C, protected from light. Keep containers tightly closed. Avoid repeated freeze-thaw cycles; once opened, use within 6-8 weeks.
Container labeling	Keep in properly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No specific occupational exposure limit is established for the mixture.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially where aerosols may form.
Hygiene measures	Handle according to good laboratory hygiene. Do not eat, drink or smoke while using. Wash hands after handling.
Eye / face protection	Wear tight-sealing safety goggles or suitable safety glasses.
Hand protection	Wear compatible chemical-resistant gloves.
Skin and body protection	Wear a laboratory coat and suitable protective clothing.
Respiratory protection	Avoid inhaling aerosols. Where ventilation is inadequate and exposure is possible, use approved respiratory protection.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid; phenol red-containing solution
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable - liquid
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Aqueous preparation
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under normal use.
Chemical stability	Stable when maintained under recommended storage conditions (-20 °C).
Possibility of hazardous reactions	No hazardous reaction reported under normal use.
Conditions to avoid	Excessive heat, intense light, contamination and repeated freeze-thaw cycles.
Incompatible materials	No product-specific data available.
Hazardous decomposition products	No data available.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No product-specific acute toxicity data available.
Skin corrosion / irritation	Available information is insufficient for classification.
Serious eye damage / eye irritation	Available information is insufficient for classification.
Carcinogenicity	No product-specific data available.
Reproductive toxicity	Available information is insufficient for classification.
STOT - SE	Available information is insufficient for classification.
STOT - RE	Available information is insufficient for classification.
Aspiration hazard	Available information is insufficient for classification.

11.2 Potential health effects

Ingestion: Adverse effects not established; avoid swallowing.
Inhalation: May cause allergy, asthma symptoms or breathing difficulties.
Skin: May cause irritation in susceptible individuals.
Eyes: May cause irritation in susceptible individuals.

11.3 Additional information

Respiratory sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No product-specific ecotoxicity 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	No product-specific PBT/vPvB assessment available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of waste through an approved service in accordance with local, regional and national requirements. Avoid discharge to drains.
Contaminated packaging	Dispose of as unused product; do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	N/A	Not regulated	N/A	N/A	-
IMDG	N/A	Not regulated	N/A	N/A	-
IATA	N/A	Not regulated	N/A	N/A	-

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), and Regulation (EU) 2020/878.
Environmental hazards	No product-specific data available.
Chemical safety assessment	No product-specific chemical safety assessment available.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail