Safety data sheet

100x Protease Inhibitor Cocktail

Product name 100x Protease Inhibitor Cocktail	Catalog no. PIC1, PIC5
Synonyms -	Previous issue date -
CAS no. -	Format version / date 1 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	100x Protease Inhibitor Cocktail
Product code	PIC1, PIC5
CAS number	-
EC number	-
Recommended use	For research use only. Not intended 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

GHS/CLP classification	Skin irritation, Category 2; Eye irritation, Category 2A; specific target organ toxicity (repeated exposure), Category 2 – respiratory system.
Additional classifications	-
Symbols / pictograms	
Signal word	Warning
GHS H-statements	H315 – Causes skin irritation. H319 – Causes serious eye irritation.
GHS precautionary statements	P264 – Wash hands thoroughly after handling. P280 – Wear protective gloves, clothing and eye/face protection. P302+P352 – IF ON SKIN: Wash with soap and water. P305+P351+P338 – IF IN EYES: Rinse cautiously with water; remove contact lenses if easy. Continue rinsing. P332+P313 / P337+P313 – If irritation persists, obtain medical advice. P362 – Remove and wash contaminated clothing.
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	100x Protease Inhibitor Cocktail
Synonyms	-
Concentration	100×
Formula	-
Molecular weight	-
Product form	Liquid mixture.
Mixture statement	Dimethyl sulfoxide (CAS 67-68-5): 85–95%; AEBSF hydrochloride (CAS 30827-99-7): 1–3%; ethylenediaminetetraacetic acid (EDTA, CAS 60-00-4): 19% (percentage requires confirmation).

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately rinse eyes thoroughly with water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical advice if irritation persists.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.
Inhalation	Move person to fresh air. Obtain medical advice if discomfort persists.
Ingestion	Do not induce vomiting. Rinse mouth; seek medical attention. Do not give anything by mouth to an unconscious person.
Self-protection of the first aider	Wear appropriate personal protective equipment.
Most important symptoms / effects	Can cause skin irritation and serious eye irritation; respiratory exposure should be minimized.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO2).
Unsuitable extinguishing media	No data available
Specific hazards arising from the chemical	Thermal decomposition products have not been established.
Explosion data	No data available
Advice for firefighters	Wear self-contained breathing apparatus and suitable protective gear if necessary.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate unprotected persons. Ventilate the area, avoid breathing vapor or mist, and wear suitable protection.
Environmental precautions	Do not allow uncontrolled release into drains, waterways or soil.
Methods and materials for containment and cleaning up	Absorb with inert material and place in closed, labeled waste containers.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid skin and eye contact and inhalation of mist/vapor. Use adequate ventilation and protective equipment.
Conditions for safe storage	Keep containers tightly closed in a cool, dry, well-ventilated location. Recommended storage temperature: 22–25 °C.
Container labelling	Keep in correctly labeled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with identified occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Observe good laboratory hygiene. Do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear tightly fitting safety goggles.
Hand protection	Wear appropriate chemical-resistant protective gloves (EN 374).
Skin and body protection	Wear laboratory coat and suitable protective clothing.
Respiratory protection	Use appropriate respiratory protective equipment if ventilation is insufficient.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Odorless
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)	No data available
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)	No data available
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	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	No data available

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No mixture-specific acute toxicity results are available.
Skin corrosion / irritation	May cause skin irritation (H315).
Serious eye damage / eye irritation	Causes serious eye irritation (H319).
Carcinogenicity	No component at or above 0.1% was identified by IARC, ACGIH, NTP or OSHA in the listed assessments.
Reproductive toxicity	No data available
STOT - SE	No data available
STOT - RE	Respiratory system; Category 2 (repeated exposure) in hazard classification.
Aspiration hazard	No data available

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May irritate the respiratory tract.
Skin: May cause skin irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not considered harmful to aquatic organisms or to cause long-term environmental effects on the available assessment.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of through an authorized waste-disposal service in accordance with applicable local regulations.
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
DOT (US)	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

Not regulated under applicable dangerous goods transport rules.

Special precautions for user	Observe normal laboratory handling precautions.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH Regulation (EC) No. 1907/2006; Commission Regulation (EU) No. 453/2010. SARA 302 and SARA 313: no reportable components identified; SARA 311/312: no SARA hazard. Clean Water Act: no regulated substances identified.
Environmental hazards	See Section 12 for available environmental information.
Chemical Safety Assessment	No data 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