Safety data sheet

ClearBand 100x Phosphatase Inhibitor Cocktail

Product name ClearBand 100x Phosphatase Inhibitor Cocktail	Catalog no. PHIC1
Synonyms Phosphatase inhibitor cocktail, 100x	Revision date -
CAS no. -	Document version / date 4 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand 100x Phosphatase Inhibitor Cocktail
Product code	PHIC1
CAS number	-
EC number	-
Recommended use	Inhibition of acid, alkaline and protein tyrosine phosphatases in cell lysates and protein extracts. For research use only; 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	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) for the product as supplied.
Label elements	No GHS hazard pictograms or signal word required.
Symbols / pictograms	None
Signal word	None
Hazard statements	No hazard statements assigned.
Precautionary statements - Prevention	Avoid splashes, aerosol formation and ingestion. Wear gloves, laboratory coat and safety eyewear; use good laboratory hygiene.
Precautionary statements - Response	IF IN EYES: rinse carefully with water. IF ON SKIN: wash with water. IF SWALLOWED or symptoms occur: obtain medical advice.
Other hazards	No other hazards identified under the supplied product classification. Follow standard laboratory precautions when handling the 100x concentrate.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand 100x Phosphatase Inhibitor Cocktail
Synonyms	Phosphatase inhibitor cocktail, 100x
Concentration	100x concentrate; pack size: 1 mL
Formula	Not applicable (mixture)
Molecular weight	Not applicable (mixture)
Mixture statement	Liquid cocktail containing five phosphatase inhibitors. Individual inhibitor names, solvent identity and component concentrations are not disclosed.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easily possible; obtain medical attention if irritation persists.
Skin contact	Remove contaminated clothing; wash skin with soap and water. Seek medical advice if irritation occurs.
Inhalation	Move to fresh air following exposure to mist or aerosol. Seek medical advice if breathing discomfort occurs.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical advice; do not give anything by mouth to an unconscious person.
Self-protection of first aider	Wear protective gloves and eye protection; avoid exposure during assistance.
Most important symptoms / effects	No formulation-specific toxicological information available. Irritation or systemic effects cannot be excluded.
Notes to physicians	Medical management should be based on symptoms and the ingredient identity when available.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, foam, dry powder or CO2 appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available.
Special hazards arising from the substance or mixture	Flammability of concentrated solvent is not established; decomposition of organic constituents during fire may produce irritating vapours.
Explosion data	No product-specific explosion or flash point data available.
Advice for firefighters	Use self-contained breathing apparatus and protective clothing when required.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid eye and skin contact. Keep unprotected personnel away, provide ventilation and wear suitable PPE.
Environmental precautions	Prevent release to drains, soil and surface waters.
Methods and materials for containment and cleaning up	Absorb liquid with inert absorbent, collect in sealed compatible container and clean residue with suitable detergent.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use good biochemical laboratory practice. Avoid skin contact, aerosol formation and accidental ingestion. Do not mix with incompatible chemicals.
Conditions for safe storage	Store at -20 C in tightly closed original vials; ship with blue ice. Follow manufacturer instructions for thawing and dilution.
Container labeling	Keep the vial clearly identified as 100x Phosphatase Inhibitor Cocktail (PHIC1).

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No product-specific occupational exposure limits provided for the concentrated formulation.

8.2 Exposure controls

Engineering measures	Use normal laboratory ventilation; minimize generation of aerosols or droplets.
Hygiene measures	Wash hands thoroughly after handling; do not eat, drink or smoke during use.
Eye / face protection	Safety glasses or splash goggles (EN 166).
Hand protection	Chemical-resistant laboratory gloves, e.g. suitable nitrile gloves.
Skin and body protection	Buttoned laboratory coat and closed shoes.
Respiratory protection	Generally not required for closed-vial work; assess protection for aerosols.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid concentrate (100x).
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 determined; solvent formulation is unavailable.
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	No formulation-specific data available.
Chemical stability	Store at -20 C; product activity may change if handled outside recommended conditions.
Possibility of hazardous reactions	No specific hazardous reactions identified; data insufficient for an assessment.
Conditions to avoid	Excess heat, open flames, incompatible reagents and inappropriate storage temperatures.
Incompatible materials	Strong oxidizing agents; detailed incompatibility information not available.
Hazardous decomposition products	Potential irritating or toxic fumes during combustion; exact products not determined.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No formulation-specific acute toxicity data available.
Skin corrosion / irritation	No formulation-specific irritation data available.
Serious eye damage / eye irritation	No formulation-specific serious-eye-effect data available.
Carcinogenicity	No formulation-specific data available.
Reproductive toxicity	No formulation-specific data available.
STOT - SE	No formulation-specific data available.
STOT - RE	No formulation-specific data available.
Aspiration hazard	No formulation-specific data available.

11.2 Potential health effects

Ingestion: avoid; toxicity not determined.
Inhalation: avoid mist or aerosol.
Skin: possible irritation; data unavailable.
Eyes: possible irritation; data unavailable.

11.3 Additional information

Review the classification if the product formulation changes.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No product-specific aquatic toxicity data; avoid environmental release.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	Not assessed.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Collect unused cocktail and absorbent as laboratory chemical waste. Dispose according to local rules; do not pour concentrated reagent down drains.
Contaminated packaging	Dispose of contaminated vials as laboratory chemical waste. Do not reuse.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP) and applicable national requirements. Not classified as hazardous under CLP for the product as supplied.
Environmental hazards	Not classified as environmentally hazardous for transport.
Chemical safety assessment	No chemical safety assessment available for the final mixture.

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