Safety data sheet

ClearBand Bradford Reagent

Product name ClearBand Bradford Reagent	Catalog no. BR05
Synonyms Bradford protein assay reagent	Original SDS revision 01 August 2022
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Bradford Reagent
Product code	BR05
CAS number	-
EC number	-
Recommended use	Ready-to-use reagent for determination of protein concentration; for research use only.
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	Met. Corr. 1 (H290); Eye Irrit. 2 (H319) under Regulation (EC) No. 1272/2008 (CLP).
GHS H-statements	H290 - May be corrosive to metals. H319 - Causes serious eye irritation.
GHS pictograms	
Signal word	Warning
Precautionary statements - prevention	P234 - Keep only in original packaging. P260 - Do not breathe vapours, mist or spray. P264 - Wash thoroughly after handling.
Precautionary statements - response	P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water, remove contact lenses if possible and continue rinsing.
Other hazards	No PBT/vPvB components at 0.1% or above are indicated.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Bradford Reagent
Synonyms	Bradford protein assay reagent
Concentration	-
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition	Phosphoric acid (CAS 7664-38-2): 5-10% w/w; Met. Corr. 1, Acute Tox. 4, Eye Dam. 1 (ingredient hazards H290, H302, H314, H318). The whole mixture is a protein assay reagent.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse immediately with plenty of water for at least 15 minutes and consult a physician. Continue rinsing during transport for medical care.
Skin contact	Immediately remove contaminated clothing; wash with soap and plenty of water and consult a physician.
Inhalation	Move to fresh air. If breathing stops, give artificial respiration by trained personnel and call a physician.
Ingestion	Do not induce vomiting. Rinse mouth with water; seek medical attention. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	Serious eye irritation; possible corrosive effects associated with acid content.
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 mixture	Not flammable or combustible under conditions described.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus if necessary.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with the liquid and inhalation of vapours or mist. Wear suitable PPE and ensure ventilation.
Environmental precautions	Do not allow the product to enter drains.
Methods and materials for containment and cleaning up	Absorb liquid using compatible inert material. Collect in properly closed and labelled 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 contact with skin and eyes and breathing vapours/mist. Use appropriate ventilation and normal fire precautions.
Conditions for safe storage	Keep tightly closed in a dry, ventilated place at approximately 4°C.
Container labelling	Keep containers properly labelled.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No specific mixture occupational exposure limit values are identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Use good laboratory and industrial hygiene. Do not eat, drink or smoke while handling. Wash hands after use.
Eye / face protection	Use tightly fitting chemical safety goggles and a face shield where splashing is possible (EN 166).
Hand protection	Wear chemical-resistant gloves and use proper removal technique.
Skin and body protection	Use chemical-resistant protective clothing appropriate to exposure.
Respiratory protection	Where indicated by risk assessment, use an approved combination-filter or supplied-air respirator.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
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)	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	No data available
Chemical stability	Stable in a cool, dark and dry place.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents, strong acids and bases.
Hazardous decomposition products	Thermal decomposition may release carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No mixture-specific acute toxicity data available.
Skin corrosion / irritation	Skin burns are reported among potential health effects.
Serious eye damage / eye irritation	Eye burns are reported among potential health effects; H319 appears in the hazard classification.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT - SE	No data available
STOT - RE	No data available
Aspiration hazard	No data available

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May damage or irritate the upper respiratory tract.
Skin: Can cause chemical burns.
Eyes: Eye burns / serious eye irritation reported.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Harm to aquatic life is reported; prevent uncontrolled release.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No PBT/vPvB components at 0.1% or above are indicated.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose through a licensed waste-disposal service in accordance with applicable local and national 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 applicable / not assigned.

Special precautions for user	Keep tightly closed during transport. Follow normal laboratory precautions.
Transport in bulk according to MARPOL / IBC	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No. 1907/2006 (REACH) and Regulation (EC) No. 1272/2008 (CLP).
Environmental hazards	See Section 12.
Chemical safety assessment	No chemical safety assessment carried out.

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 and Very Bioaccumulative
ADR	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 Dangerous Goods Code
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail