



SAFETY DATA SHEET

Revision date: 01.04.2025

BIO ENZYME

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SECTION 1: Product and Company Identification

Product Identifier

Name: Bio Enzyme

Product Description

Active microbial enzyme cleaner

Details of the Supplier

Prime Cleaning Suppliers (Pty) Ltd.
1 Pepper Place
Rainbow Park 2
Montague Gardens, 7441

Postal Address:

Postnet 95
Private Bag X7
Chempet 7442

Telephone:

021 551 4570

Website:

www.primecs.co.za

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Hazard Ingredients:

None.

Adverse human health effects:

XI Irritant

2.2 Label elements

Signal word:

Caution

Pictograms:



Hazard statements:

Causes eye irritation.

Precautionary statements:

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.



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Environmental effects:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Physical hazards:	P337+P313 If eye irritation persists: Get medical advice/ attention.
Chemical hazards:	P404 Store in a closed container.
	P501 Dispose of contents/ container in accordance with national regulations.
	High concentrations are hazardous to aquatic life.
	Not classified.
	Non-flammable

SECTION 3: Composition / Information on Ingredients

Substance	CAS Number	% (w/w)
Bacterial culture	CB310067302	>5%
Dialkyl-N,N-dimethylammonium carbonate/bicarbonate	-	Proprietary

SECTION 4: First aid measures

Inhalation:	Not likely to have any adverse effects via inhalation of fumes, but irritation may occur. Consult a doctor
Eye contact:	Flush eyes with clean water for at least 15 minutes and consult a doctor immediately.
Skin contact:	Should be no effects but should irritation occur wash all exposed skin areas with water. Consult a doctor
Ingestion:	Rinse out mouth and drink as much water as possible. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately.



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SECTION 5: Firefighting measures

Extinguishing media:	Non-flammable Water spray, carbon Dioxide, alcohol resistant foam, dry chemicals, sand.
Specific hazards:	Fumes containing carbon oxides, nitrogen oxides, phosphorus oxides, sodium oxides and hydrogen chloride gas are likely to develop under fire conditions. Do not let the run-off from firefighting enter watercourses or drains.
Protection during firefighting:	Protection of firefighters: Wear positive-pressure, self-contained breathing apparatus and protective firefighting clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measure

Personal precautions:	Use personal protective equipment. Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions:	Prevent contamination of surface and ground water. Prevent entry into sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods for cleaning up:	Soak up small spills with absorbent material, remove with rubber shovel and collect for disposal for large spills dike and pump into appropriate containers. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.



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SECTION 7: Handling and storage

Handling:

Avoid inhalation of vapour or mist. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapours. Do not breathe vapours.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from children.

SECTION 8: Exposure controls/personal protection

Engineering measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use only where access to clean running water is available.

Personal protective equipment:

Respiratory	-
Face	-
Eyes	Safety eyewear
Hands	-
Skin/body	-



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SECTION 9: Physical and chemical properties

Physical state

Form	Liquid
Colour	White liquid
Odour	-
pH	1.5-9.6 wide range of operative conditions
Solubility	Fully miscible in water
Wetting	-
Emulsification	-
Free rinsing	-
Density	1.03 g/cm ³

SECTION 10: Stability and reactivity

Stability:	Stable under normal storage conditions.
Reactivity	<p>Materials to avoid: Strong acids, organic materials, powdered metals, amines, reacts violently with ammonium salts, aziridine, methanol, and phenylacetonitrile, sometimes resulting in explosions. Reacts with primary aliphatic or aromatic amines to form explosively unstable n- chloroamines. Reaction with formic acid becomes explosive at 55°C.</p> <p>Hazardous Decomposition products: Not known.</p>



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SECTION 11: Toxicological information

Acute toxicity	No data available.
Carcinogenicity	No data available.
Potential health effects	No data available.

SECTION 12: Ecological information

Toxicity:	Algae	No data available.
Biodegradability:		No data available.
Bio accumulative Potential		No data available.

SECTION 13: Disposal considerations

Product waste disposal recommendation	Avoid release to the environment. Collect in appropriate containers and dispose of in accordance with local regulations.
Contaminated packaging	Avoid release to the environment. Dispose of in accordance with local regulations.



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SECTION 14: Transport information

UN number:	No regulations for transport.
Packaging group:	Not applicable
Marine pollutant:	No
Rail/road (RID/ADR):	No additional information available
Sea (IMO/IMDG):	No additional information available
Air (ICAO/IATA):	No additional information available

SECTION 15: Regulatory information

EEC regulations:	-
S-Phrases:	S2 - Keep out of reach of children. S46 - If swallowed, seek medical advice immediately and show this container or label.

SECTION 16: Other information

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

The classification was effectuated according to information derived from technical literature and supplier companies.

Information included in this document is based on our present state of knowledge; however, they do not assure the product properties and do not assume any legal condition.

The material safety data sheet completes the product information without replacing it.