GEARTH

SAFETY DATA SHEET
BioDish Liquid

GHS REV 10

1 Identification

Product identifier	BioDish Liquid
Other means of identification	No data available
Recommended use	Bio-enzyme dishwashing liquid.
Restrictions on use	No data available
Supplier	GEARTH (Pty) Ltd, 96 Lazy River Road, Centurion 0157, Gauteng, South Africa
Telephone	012 004 8183 | info@gearth.co.za
Emergency telephone number	**066 214 2274 (24 hours)**

2 Hazards identification

2.1 Classification of the substance or mixture

GHS classification	Not classified under GHS Rev 10 by the source data. Source assessment: not regarded as a health hazard; may be a mild irritant to eyes, skin and mucosa at high concentration. Source supply label: Irritant.

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	No data available
Precautionary — prevention	Wear suitable gloves and eye protection (source safety phrase).
Precautionary — response	No data available
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

No data available

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Water-based neutral detergent with viable bacterial culture	Not applicable	Not applicable	No data available	No hazardous components (source data)
Total			**100**	

Exact composition percentages are withheld as a trade secret in accordance with the HCA Regulations, 2021. The classification of withheld components is reflected above.

4 First-aid measures

4.1 Description of first-aid measures

Inhalation	Not applicable per source.
Skin contact	Flush with large amounts of water.
Eye contact	Wash promptly with water, lifting eyelids, until stinging has stopped.
Ingestion	Give the person large amounts of water to drink. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Irritation of eyes and mucous membranes on prolonged exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Not applicable — product is non-flammable.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	None (source data).

5.3 Advice for firefighters

Protective equipment for firefighters	None required (source data).

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Clean-up personnel should wash thoroughly after dealing with spillage.
Environmental precautions	Prevent spillage from entering drains, ditches and rivers by use of absorbent; inform local authorities if this cannot be prevented. Foaming of the product may otherwise upset local wastewater processing plants.
Methods and material for containment and cleaning up	Absorb with sand, earth, sawdust or other absorbent materials and sweep up into a suitable container.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Avoid eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store above freezing point, in closed plastic containers.
Packaging	5 L, 25 L, 200 L and 1000 L.
Shelf life	No data available
Incompatibilities	No data available

8 Exposure controls / personal protection

8.1 Control parameters — occupational exposure limits

Substance	OEL type	Value	Source
Product as supplied	—	None established	HCA Regs 2021 Annexure 2

8.2 Appropriate engineering controls

Engineering controls	No data available

8.3 Individual protection measures

Eye / face protection	Avoid eye contact; goggles recommended. Wash thoroughly for at least 15 minutes in case of eye contact.
Skin / hand protection	Use suitable protective gloves if there is a risk of prolonged skin contact. Glove material: No data available; breakthrough time: No data available
Respiratory protection	Not applicable per source. Filter type: Not applicable
Thermal hazards	No data available

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Orange
Odour	Citrus
Melting point / freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Non-flammable
Lower and upper explosion limit / flammability limit	No data available
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	7.5 – 8.5 (10% solution; temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	100% soluble in water
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	No data available
Density and/or relative density	Specific gravity approx. 1.02
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

Explosive properties	No data available
Oxidising properties	No data available
Bulk density	No data available
Active solids	No data available

10 Stability and reactivity

Reactivity	No data available
Chemical stability	No particular stability concerns (source data).
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	None (source data).
Hazardous decomposition products	No data available

11 Toxicological information

Likely routes of exposure	Eye contact; contact with mucous membranes; ingestion.
Symptoms related to exposure	Irritation of eyes and mucous membranes.
Delayed and chronic effects	No known chronic or acute effects (source data).

Numerical measures of toxicity

Endpoint	Species	Route	Value
No data available	No data available	No data available	No data available

Source states LD50 / LC50 information not currently available.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	No data available
Serious eye damage / irritation	May be irritant to eyes and mucous membranes on prolonged exposure (source data; not classified).
Respiratory sensitisation	No data available
Skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT — single exposure	No data available
STOT — repeated exposure	No data available
Aspiration hazard	No data available

12 Ecological information

Aquatic toxicity

Species	Endpoint	Value	Duration
No data available	No data available	No data available	No data available

Source reports acute fish toxicity: no; no numerical values given.

Persistence and degradability — method	No data available
Persistence and degradability — result	Readily biodegradable.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	May be a slight pollutant at high concentration levels (source data).

13 Disposal considerations

Waste residues	No special precautions other than thoroughly washing containers should they be needed for carrying water.
Disposal methods	No special precautions (source data).
Contaminated packaging	No data available
Waste classification (NEM:WA 59 of 2008, GN R635)	No data available

14 Transport information

Mode	UN no.	Proper shipping name	Class	PG
Road (SANS 10228 / ADR)	Not applicable	Not regulated	Not applicable	Not applicable
Rail (RID)	Not applicable	Not regulated	Not applicable	Not applicable
Sea (IMDG)	Not applicable	Not regulated	Not applicable	Not applicable
Air (IATA)	Not applicable	Not regulated	Not applicable	Not applicable

Marine pollutant	No data available
Transport in bulk (IMO instruments)	Not applicable
Special precautions for user	Transport as part of a multi-load.

15 Regulatory information

Safety, health and environmental regulations specific to the product	Occupational Health and Safety Act 85 of 1993; Regulations for Hazardous Chemical Agents, 2021; NEM:WA 59 of 2008; None identified
NRCS VC 8054 status	No data available
Ecolabel certification	Eco Choice label certification held.
Chemical safety assessment	No data available

16 Other information

Date of preparation	18 August 2026
Latest revision	Rev 1.0, 18 August 2026
Summary of changes	First GEARTH issue (Rev 1.0). Safety content transferred unchanged from the source manufacturer's MSDS (revised 1 March 2026); no data re-tested or re-derived.
Full text of hazard (H) statements	No data available
Full text of precautionary (P) statements	Wear suitable gloves and eye protection.
Key to abbreviations	GHS — Globally Harmonized System; OEL — occupational exposure limit; STOT — specific target organ toxicity; PG — packing group; SG — specific gravity; CAS — Chemical Abstracts Service; HCA — hazardous chemical agents.
Classification method	Hazard information carried over from the source manufacturer's assessment (pre-GHS format). Classification against UN GHS Rev 10 criteria to be confirmed.
Training advice	Use only according to the instructions for use. Personnel handling the concentrate should be familiar with the first-aid and spill measures in Sections 4 and 6.
Disclaimer	This information is based on present knowledge and describes the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of the properties of the product. Final determination of suitability for any use is the sole responsibility of the user.

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SIGN-OFF

Prepared by	GEARTH (Pty) Ltd
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Supersedes	None — first GEARTH issue
Next review	August 2028