GEARTH

SAFETY DATA SHEET
BioTrap

GHS REV 10

1 Identification

Product identifier	BioTrap
Other means of identification	No data available
Recommended use	Bio-enzyme grease and fat trap treatment.
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. The source data classifies the substance as non-hazardous; hazard statements: non-hazardous; risk and safety phrases: none allocated.

2.2 Label elements

Hazard pictograms	None required.
Signal word	None.
Hazard statements	Non-hazardous (source statement).
Precautionary — prevention	Do not breathe vapour (source S23.2).
Precautionary — response	In case of contact with eyes, rinse with water. In case of accident, seek medical advice immediately (source S26, S45).
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
Alkylbenzene sulfonic acid	68584-22-5 (as printed in source)	No data available	<10%	No data available
Biological fermentation products	Not applicable	Not applicable	<10%	Not classified (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	Supply fresh air. Seek medical attention in case of complaints.
Skin contact	Wash off with soap and plenty of water. Wash contaminated clothing before re-use.
Eye contact	Rinse opened eye under running water for 15 minutes. Seek medical attention if irritation persists.
Ingestion	If symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	No adverse health effects expected if handled in accordance with this SDS; no irritating effect on skin or eyes (source data).

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	Methods suitable to surrounding conditions: water spray jet, foam, dry fire-extinguishing substance.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	No further relevant information available (source data).

5.3 Advice for firefighters

Protective equipment for firefighters	Breathing apparatus with independent (isolated) air supply.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective gear. Do not inhale the material or its combustion products. Approach against the wind and keep out of low areas; evacuate personnel to a safe area.
Environmental precautions	Dilute with plenty of water. Do not allow to enter sewers, surface water or groundwater; should not be released into the environment.
Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Transfer into suitable containers and dispose of in compliance with existing regulations. After cleaning, flush away traces with water.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	No special precautions necessary if used as specified. Avoid contact with skin, eyes and clothing. Keep away from open flames and ignition sources (including static electricity); do not breathe vapour or mist; no smoking.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Keep containers tightly closed in a cool, well-ventilated area. Observe the rules usually applicable when handling chemicals.
Packaging	100 ml, 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 exposure standards are available for this product.

8.3 Individual protection measures

Eye / face protection	Chemical goggles.
Skin / hand protection	Gloves. Glove material: PVC or natural rubber; breakthrough time: No data available
Respiratory protection	Does not apply (source data). 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	Blue
Odour	None
Melting point / freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	Not applicable per source (solid, gas)
Lower and upper explosion limit / flammability limit	No data available
Flash point	None (source data)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	5.5 – 8.5 (concentration and temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	Fully miscible with water
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
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 further relevant information available (source data).
Chemical stability	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available (source data).
Incompatible materials	No further relevant information available (source data).
Hazardous decomposition products	No dangerous decomposition products known.

11 Toxicological information

Likely routes of exposure	Skin and eye contact; inhalation; ingestion.
Symptoms related to exposure	No adverse health effects expected if handled in accordance with this SDS (source data).
Delayed and chronic effects	No data available

Numerical measures of toxicity

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

Source reports qualitative statements only; no numerical toxicity values.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	No irritating effect (source data).
Serious eye damage / irritation	No irritating effect (source data).
Respiratory sensitisation	No sensitising effects known (source data).
Skin sensitisation	No sensitising effects known (source data).
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 no further relevant information available for aquatic toxicity, persistence, bioaccumulation or mobility.

Persistence and degradability — method	No data available
Persistence and degradability — result	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13 Disposal considerations

Waste residues	No data available
Disposal methods	Contact the local waste management authority.
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 (source data).
Transport in bulk (IMO instruments)	Not applicable
Special precautions for user	Not applicable per source.

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 (updated 15 November 2023); no data re-tested or re-derived.
Full text of hazard (H) statements	Non-hazardous — none allocated by the source data.
Full text of precautionary (P) statements	S23.2 Do not breathe vapour. S26 In case of contact with eyes, rinse with water. S45 In case of accident, seek medical advice immediately.
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.

SIGN-OFF

Prepared by	GEARTH (Pty) Ltd
Document ref	SDS-GEA-020
Revision	1.0 (18 August 2026)
Supersedes	None — first GEARTH issue
Next review	August 2028