GEARTH

SAFETY DATA SHEET
PumpFlow Pro

GHS REV 10

1 Identification

Product identifier	PumpFlow Pro
Other means of identification	No data available
Recommended use	Bio-enzyme pump and lift station 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 allocates no hazard classification (pre-GHS criteria); no known effects for eyes, skin or inhalation.

2.2 Label elements

Hazard pictograms	None required.
Signal word	None.
Hazard statements	None allocated.
Precautionary — prevention	Not applicable per source.
Precautionary — response	Not applicable per source.
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
Viable bacterial cultures	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	Move to fresh air.
Skin contact	Rinse with water.
Eye contact	Flush with plenty of saline, ensuring eyelids are held open. If irritation persists, seek medical attention.
Ingestion	Not to be ingested; effects unknown. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	No known effects for eyes, skin or inhalation; effects of ingestion unknown (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	CO_2.
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	None (source data).
Environmental precautions	None (source data).
Methods and material for containment and cleaning up	Collect product and dispose of as normal liquid waste to sewage.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Normal handling procedures.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store under cool, dark, ambient conditions.
Packaging	5 L, 25 L and 208 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	—	No data available	HCA Regs 2021 Annexure 2

8.2 Appropriate engineering controls

Engineering controls	None required (source data).

8.3 Individual protection measures

Eye / face protection	None required (source data).
Skin / hand protection	None required (source data). Glove material: No data available; breakthrough time: No data available
Respiratory protection	None required (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 (blend)
Colour	Blue or green
Odour	Natural
Melting point / freezing point	Not applicable per source
Boiling point or initial boiling point and boiling range	Not applicable per source
Flammability	Not applicable per source (auto-flammability not applicable)
Lower and upper explosion limit / flammability limit	No data available
Flash point	Not applicable per source
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	5.00 ± 0.1 (as supplied)
Kinematic viscosity	No data available
Solubility	Dissipates in water and in solvents
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	Not applicable per source
Density and/or relative density	1.000 kg/L ± 0.005
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

Explosive properties	None (source data)
Oxidising properties	None (source data)
Bulk density	No data available
Active solids	No data available

10 Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	None known.

11 Toxicological information

Likely routes of exposure	Ingestion (not to be ingested); eye, skin and inhalation exposure show no known effect (source data).
Symptoms related to exposure	No known effects when used according to instructions.
Delayed and chronic effects	No known effect when used according to instructions.

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 values.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	No data available
Serious eye damage / irritation	No data available
Respiratory sensitisation	No data available
Skin sensitisation	No data available
Germ cell mutagenicity	No known effect when used according to instructions (source data).
Carcinogenicity	No known effect when used according to instructions (source data).
Reproductive toxicity	No known effect when used according to instructions (source data).
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
Aquatic organisms (unspecified)	Aquatic toxicity	No known effect when used according to instructions (source statement)	No data available

Source reports qualitative statements only; no numerical endpoints, test methods or durations given.

Persistence and degradability — method	No data available
Persistence and degradability — result	Biodegradable (source statement).
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	Dispose of in accordance with local regulations.
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	No data available

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; Occupational Safety and Health legislation cited by source (OSH Act).
NRCS VC 8054 status	No data available
Ecolabel certification	No data available
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 (undated source MSDS); no data re-tested or re-derived.
Full text of hazard (H) statements	None allocated by the source data.
Full text of precautionary (P) statements	None allocated by the source data.
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

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