GEARTH

SAFETY DATA SHEET
FreshFlush

GHS REV 10

1 Identification

Product identifier	FreshFlush
Other means of identification	No data available
Recommended use	Bio-enzyme toilet cistern treatment — eliminates odours, deodorises and keeps drain lines open.
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 assesses the product as non-hazardous and non-dangerous (pre-GHS criteria).

2.2 Label elements

Hazard pictograms	None required.
Signal word	None.
Hazard statements	None allocated.
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
Alkylpolyglycoside C8-10	68515-73-1	No data available	<10 – 30	No data available
Alkylpolyglycoside C10-16	110615-47-9	No data available	<10 – 30	No data available
Viable bacterial cultures	Not applicable	Not applicable	<5 – 10	Not classified (source data)
Alkylbenzenesulfonic acid	No data available	No data available	>1	No data available
Fragrance	68584-22-5 (as printed in source)	No data available	No data available	No data available
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 victim to fresh air.
Skin contact	Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, transport to hospital or doctor.
Eye contact	Flush with plenty of water for 15 minutes, ensuring eyelids are held open. Seek medical attention.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Give water to drink, taken slowly. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	May cause irritation to eyes, skin, mouth, throat and stomach on overexposure.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Eye wash station and normal washroom facilities recommended. Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing media appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	Material is non-flammable. Decomposes on heating emitting soot, smoke and decomposition products.

5.3 Advice for firefighters

Protective equipment for firefighters	Self-contained breathing apparatus in confined spaces, oxygen-deficient atmospheres or if exposed to products of decomposition; full protective clothing recommended.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Material may be slippery when spilt — walk cautiously. Ventilate the area. Wear protective equipment to prevent skin and eye contact as outlined in Section 8.
Environmental precautions	Bund the area using sand or soil to prevent run-off into drains and waterways.
Methods and material for containment and cleaning up	Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Keep containers closed when not using the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a cool place out of direct sunlight, away from sources of heat, ignition and oxidising agents. Store in original packages as approved.
Packaging	120 g puck.
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	Goggles recommended (assessed as not harmful).
Skin / hand protection	Gloves recommended (assessed as not harmful). 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	Solid puck
Colour	Blue
Odour	Clinical
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 per source
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	8.0 – 9.5 (concentration and temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	Miscible with 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
Relative vapour density	No data available
Particle characteristics	Moulded 120 g puck (source packaging data)

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	Stable under normal conditions of use. Working temperature range 6 – 43 °C.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Heat, flames, ignition sources and incompatibles.
Incompatible materials	Strong acids, alkalis, most metals and oxidising agents.
Hazardous decomposition products	Soot, smoke and decomposition products on heating.

11 Toxicological information

Likely routes of exposure	Skin and eye contact; ingestion; inhalation.
Symptoms related to exposure	May cause irritation to eyes and skin; irritation of mouth, throat and stomach if ingested.
Delayed and chronic effects	No adverse health effects expected if handled in accordance with this SDS (source data).

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	May cause skin irritation (source data; not classified).
Serious eye damage / irritation	May cause eye irritation (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 no ecotoxicity data available.

Persistence and degradability — method	No data available
Persistence and degradability — result	Biodegrades readily under aerobic and anaerobic conditions.
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 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; None identified
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 (dated 29 June 2022; source product is a 120 g cistern puck); 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	S23.2 Do not breathe vapour. S26 In case of contact with eyes, rinse with water. S45 In case of accident, seek medical advice.
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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Next review	August 2028