GEARTH

SAFETY DATA SHEET
EcoSpill

GHS REV 10

1 Identification

Product identifier	EcoSpill
Other means of identification	No data available
Recommended use	Bio-enzyme oil spill treatment (proprietary microbial culture).
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 health-effects data indicate strong irritation on skin contact, possible corneal injury on eye contact, and serious effects if ingested; HMIS rating health 3, fire 1, reactivity 0.

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	No data available
Precautionary — prevention	No data available
Precautionary — response	No data available
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

Ingestion may release CO_2 in the stomach causing distension, belching and possible rupture. The microbial organisms are non-pathogenic but can cause infection in contact with open wounds; they are susceptible to many common antibiotics (source data).

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Proprietary microbial culture	Not applicable	Not applicable	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	Remove victim to fresh air. If breathing has stopped, give artificial respiration; maintain airway and blood pressure and administer oxygen. Keep victim warm and at rest. Get medical attention.
Skin contact	Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before re-use.
Eye contact	Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel.
Ingestion	Treat symptomatically and supportively. Get medical attention. If vomiting, keep head lower than hips to prevent aspiration.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Eyes: irritation, pain, possible corneal injury. Skin: strong irritation, erythema, pain and blistering. Inhalation of dust: throat irritation and coughing. Ingestion: abdominal pain, nausea, vomiting, diarrhoea, shock, hypotension, slow pulse, cyanosis, coma and possible convulsions.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Treat symptomatically and supportively.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, carbon dioxide, dry chemical powder.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	No data available

5.3 Advice for firefighters

Protective equipment for firefighters	Self-contained breathing apparatus with full-face piece operated in pressure-demand or other positive-pressure mode.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Prevent skin and eye contact; use approved respirator for nuisance dust.
Environmental precautions	Keep spill and run-offs out of municipal sewers and open bodies of water.
Methods and material for containment and cleaning up	Soil spill: dig a pit, pond, lagoon or holding area to contain the material; cover solids with a plastic sheet to prevent dissolving in rain or fire-fighting water. Water spill: neutralise to pH 7 with a suitable agent; use dredges or lifts to extract immobilised masses of pollution and precipitates.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Avoid handling that creates large amounts of dust; use an approved respirator for nuisance dust. Store away from children, food items and potable water. Wash hands with soap and water before handling food or smoking; use good chemical hygiene practices. Prevent skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store out of direct sunlight with the container closed when not in use; avoid damp environments and prolonged exposure to high or low temperatures and humidity. General mechanical ventilation.
Packaging	25 kg drums.
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	General mechanical ventilation; eyewash station in work area.

8.3 Individual protection measures

Eye / face protection	Splash-proof or dust-resistant goggles and face shield.
Skin / hand protection	Appropriate impervious protective clothing and equipment to prevent repeated or prolonged contact. Glove material: No data available; breakthrough time: No data available
Respiratory protection	Respirator selection must be based on workplace contamination levels and the specific operation, within the working limits of the respirator, jointly approved (MSHA-NIOSH): dust-and-mist respirators, air-purifying respirators with high-efficiency particulate filter, powered air-purifying respirators with dust-and-mist filter, type C supplied-air respirators (pressure-demand / positive pressure / continuous flow), or self-contained breathing apparatus. Filter type: High-efficiency particulate / dust-and-mist filter (per source respirator guidance)
Thermal hazards	No data available

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Free-flowing, moist powder (source data; product supplied as Oil Spill Gobbler Liquid)
Colour	Brown
Odour	Yeast-like
Melting point / freezing point	No data available
Boiling point or initial boiling point and boiling range	No data (source statement)
Flammability	No data available
Lower and upper explosion limit / flammability limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	6.5 – 8.5 (1% solution; temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	Partially soluble in water; contains viable bacteria
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 data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	No data available
Incompatible materials	Solutions may be corrosive toward metals. May react violently with strong acids and release CO_2; 2-furaldehyde is a possible ignition hazard; monoammonium phosphate may react with rapid pressure build-up. Strong acid and alkali compounds may inactivate the biological cultures.
Hazardous decomposition products	Thermal decomposition may include toxic oxides of phosphorus and sodium, and oxides of carbon.

11 Toxicological information

Likely routes of exposure	Inhalation of dust; skin and eye contact; ingestion.
Symptoms related to exposure	As per Section 4.2 (source health-effects 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: ingredients not precisely identified are proprietary or non-hazardous; all chemical ingredients appear on the EPA TSCA Inventory. No numerical values given.

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 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: ingredients not precisely identified are proprietary or non-hazardous; all chemical ingredients appear on the EPA TSCA Inventory. No numerical values given.

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	Comply with local regulations for disposal. Empty containers and flush with water.
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 classified according to ADR/RID	Not applicable	Not applicable
Rail (RID)	Not applicable	Not classified according to ADR/RID	Not applicable	Not applicable
Sea (IMDG)	No data available	No data available	No data available	No data available
Air (IATA)	No data available	No data available	No data available	No data available

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 18 May 2016); 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.
References and data sources	Source manufacturer MSDS (dated 18 May 2016); GEARTH–source product mapping register (2026).
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
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Supersedes	None — first GEARTH issue
Next review	August 2028
Data sources	Source manufacturer MSDS (dated 18 May 2016); GEARTH product mapping register (2026)