GEARTH

SAFETY DATA SHEET
Heavy Duty Degreaser

GHS REV 10

1 Identification

Product identifier	Heavy Duty Degreaser
Other means of identification	No data available
Recommended use	Bio-enzyme hydrocarbon degreaser and cleaner — petrol, diesel, paraffin, car oil and greases.
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	Source data indicates H315 (skin irritation) and H319 (eye irritation) via the sodium metasilicate component; full GHS classification of the mixture not stated. Source supply label: Xi — Irritant (R36/38).

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation (source component data).
Precautionary — prevention	Keep out of reach of children; avoid contact with skin and eyes; wear suitable gloves and eye / face protection (source S2, S24/25, S37/39).
Precautionary — response	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (source S26).
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

Strongly alkaline liquid (pH 12.5 – 13.2): harmful to eyes; may dry out skin. Do not mix with other chemicals without express agreement (source data).

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Sodium metasilicate pentahydrate	10213-79-3	No data available	<10%	H315, H319 (source data)
Alkylpolyglycoside C8-10	68515-73-1	No data available	<5	No data available
Alkylpolyglycoside C10-16	110615-47-9	No data available	<5	No data available
Viable bacterial cultures	Not applicable	Not applicable	No data available	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	None required (source data).
Skin contact	Wash thoroughly with water.
Eye contact	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention.
Ingestion	Get medical advice immediately. Give water and do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Harmful to eyes; may dry out skin; ingestion may irritate the throat and cause gastrointestinal disturbances such as irritation, nausea and diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

Medical attention	Skin contact may aggravate existing skin disease. Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide / dry regular foam.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	Not combustible. No hazardous decomposition materials known in fire.

5.3 Advice for firefighters

Protective equipment for firefighters	Approved self-contained breathing apparatus and full protective clothing. Dispose of fire-control water later.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective gear for the situation (see Section 8).
Environmental precautions	The product does not contain alkyl phenol ethoxylates; no endocrine-disruptive effects are linked to this product (source data).
Methods and material for containment and cleaning up	Small spills: absorb / adsorb with sand or other suitable material. Large spills: contain with absorbent.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Do not get onto skin or into eyes.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a cool place.
Packaging	5 L, 25 L, 200 L and 1000 L HD polyethylene containers.
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	Ventilate, or use self-contained breathing apparatus where ventilation is insufficient. Eye wash fountains and emergency showers should be available.

8.3 Individual protection measures

Eye / face protection	Goggles and face shield.
Skin / hand protection	Wear a protective apron; gloves recommended. 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	Yellow
Odour	None
Melting point / freezing point	Not known (source data)
Boiling point or initial boiling point and boiling range	Not known (source data)
Flammability	Non-flammable
Lower and upper explosion limit / flammability limit	No data available
Flash point	Not known (source data)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	12.5 – 13.2 (concentration and temperature not stated in source data)
Kinematic viscosity	No data available
Solubility	Soluble in water in all proportions
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	Not known (source data)
Density and/or relative density	Not known (source data)
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 of use.
Possibility of hazardous reactions	No data available
Conditions to avoid	High temperatures, flames and sparks.
Incompatible materials	May react with strong acids and strong oxidising agents.
Hazardous decomposition products	Methanol in water and in processing; CO_2 if burned.

11 Toxicological information

Likely routes of exposure	Eye and skin contact; ingestion.
Symptoms related to exposure	Irritant; harmful to eyes; skin irritant.
Delayed and chronic effects	Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness.

Numerical measures of toxicity

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

Source states acute dermal, respiratory and inhalation toxicity values not available.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	Skin irritant — H315 indicated by source component data.
Serious eye damage / irritation	Irritant; harmful to eyes — H319 indicated by source component data.
Respiratory sensitisation	No data available
Skin sensitisation	No data available
Germ cell mutagenicity	Nil (source data).
Carcinogenicity	Nil (source data).
Reproductive toxicity	Nil (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
Fish	Acute toxicity	Non-toxic* (source statement)	No data available
Daphnia	Acute toxicity	Non-toxic* (source statement)	No data available
Algae	Acute toxicity	Non-toxic* (source statement)	No data available

*Source note: the aquatic toxicities refer to final effluent water where the product has been essentially removed through an oil separator and diluted to less than 1/1000 of the supplied concentration.

Persistence and degradability — method	No data available
Persistence and degradability — result	Biodegradable (source statement).
Bioaccumulative potential	No (source statement).
Mobility in soil	No data available
Other adverse effects	No data available

13 Disposal considerations

Waste residues	No data available
Disposal methods	Refer to the local authority.
Contaminated packaging	As for product — refer to the local authority.
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	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 (dated 5 April 2024); no data re-tested or re-derived.
Full text of hazard (H) statements	H315 Causes skin irritation. H319 Causes serious eye irritation.
Full text of precautionary (P) statements	S2 Keep out of reach of children. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 Wear suitable gloves and eye / face 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.

SIGN-OFF

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Next review	August 2028