GEARTH

SAFETY DATA SHEET
EcoSolve Pro

GHS REV 10

1 Identification

Product identifier	EcoSolve Pro
Other means of identification	No data available
Recommended use	Eco-friendly solvent cleaner — proprietary surfactant blend with natural terpenes.
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 hazard identification: non-hazardous. Source lists pre-GHS risk phrases including R20/21/22/23/24/25, R36/37/38/41/43 for components; irritant vapour noted. Not classified under GHS Rev 10 by the source data.

2.2 Label elements

Hazard pictograms	No data available
Signal word	No data available
Hazard statements	No data available
Precautionary — prevention	Wear respiratory equipment (inorganic cartridge) and eye protection when handling (source data).
Precautionary — response	No data available
Precautionary — storage	No data available
Precautionary — disposal	No data available

2.3 Other hazards

OTHER HAZARDS DISCLOSURE

Contains methyl alcohol (<20%) and natural terpenes; vapour is irritant. Explosive only if heated in confinement (source data).

3 Composition / information on ingredients

Ingredient	CAS no.	EC no.	Conc. % (w/w)	Classification
Methyl alcohol	67-56-1	No data available	<20%	Listed as dangerous component (source, pre-GHS)
Natural terpenes	No data available	No data available	No data available	Listed as dangerous component (source, pre-GHS)
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; consult a doctor in case of symptoms.
Skin contact	Immediately wash with soap and water and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	In case of persistent symptoms consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	Irritant vapour; very irritant to eyes; no immediate skin irritant effect.

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	Conventional firefighting measures are appropriate.
Unsuitable extinguishing media	No data available

5.2 Special hazards arising from the substance or mixture

Specific hazards / hazardous combustion products	Explosive only if heated in confinement; not flammable in form as supplied.

5.3 Advice for firefighters

Protective equipment for firefighters	No data available

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear respiratory equipment and protective clothing.
Environmental precautions	Should not be discharged into water courses without prior consultation and authorisation.
Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, sawdust, cotton waste); incinerate. Smaller amounts of contaminated binding material can be disposed of with municipal waste.

7 Handling and storage

7.1 Precautions for safe handling

Safe handling	Wear respiratory equipment (inorganic cartridge) and eye protection. No special measures required against explosion and fire.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	No special storeroom requirements. Protect from frost and direct sunlight.
Packaging	5 L, 25 L and 200 L drums.
Shelf life	Minimum 12 months from date of manufacture.
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 components with critical values requiring workplace monitoring (source data).

8.3 Individual protection measures

Eye / face protection	Safety glasses recommended during handling.
Skin / hand protection	Protective gloves and protective work clothing. Glove material: No data available; breakthrough time: No data available
Respiratory protection	Respirator required when handling. Filter type: Inorganic cartridge
Thermal hazards	No data available

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Orange-amber to brown, transparent
Odour	No data available
Melting point / freezing point	Not applicable per source
Boiling point or initial boiling point and boiling range	Approx. 80 °C
Flammability	Not flammable in form as supplied
Lower and upper explosion limit / flammability limit	No data available
Flash point	Not flammable in form as supplied
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH (concentration and temperature stated)	9.2 – 9.8 at 20 °C (concentration not stated in source data)
Kinematic viscosity	No data available
Solubility	Fully soluble in water
Partition coefficient n-octanol/water (log Kow)	No data available
Vapour pressure	Not determined (source data)
Density and/or relative density	Relative density 0.86 – 0.88 g/cm³
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

Explosive properties	Only if heated in confinement (source data)
Oxidising properties	No data available
Bulk density	No data available
Active solids	Solid content 80 – 90%; organic solvent content 10 – 20% (source data)

10 Stability and reactivity

Reactivity	No data available
Chemical stability	The product is stable.
Possibility of hazardous reactions	None known.
Conditions to avoid	Excessive heat (above +40 °C) and freezing; repeated freezing and thawing.
Incompatible materials	No data available
Hazardous decomposition products	None if used as recommended.

11 Toxicological information

Likely routes of exposure	Inhalation of vapour; eye and skin contact; ingestion.
Symptoms related to exposure	Irritant vapour; very irritant effect on eyes; no immediate irritant effect on skin.
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 states no LD50/LC50 values relevant for classification are available.

Acute toxicity — dermal	No data available
Acute toxicity — inhalation	No data available
Skin corrosion / irritation	No immediate irritant effect (source data).
Serious eye damage / irritation	Very irritant effect (source data; not classified).
Respiratory sensitisation	No sensitising effect known (source data).
Skin sensitisation	No sensitising effect 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: properly discharged effluent is not expected to interfere with activated-sludge organisms; product does not influence the AOX value of effluent water; no heavy metals (EC 76/464).

Persistence and degradability — method	OECD 301 (BOC elimination)
Persistence and degradability — result	Degree of elimination >70%; eliminated in wastewater treatment plants by physical and biological means.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	Water hazard class 2 (self-assessment): hazardous for water in concentration (source data).

13 Disposal considerations

Waste residues	No data available
Disposal methods	Always consult local legislative by-laws. If in doubt, hand over to a specifically authorised hazardous-waste treatment plant.
Contaminated packaging	Packaging can be reused or recycled after cleaning with water (with cleaning agent if necessary).
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	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 5 April 2024; source product Eco-Solve (confirmed as Eco-solve 70)); no data re-tested or re-derived.
Full text of hazard (H) statements	No data available
Full text of precautionary (P) statements	No data available
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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Supersedes	None — first GEARTH issue
Next review	August 2028