

GEARTH GEARTH UltraSolve

MATERIAL SAFETY DATA SHEET

Proprietary surfactant blend with natural terpenes — powerful solvent cleaner and degreaser. Liquid formulation.

1 IDENTIFICATION OF THE MATERIAL

Product Name	GEARTH UltraSolve
Description	Proprietary surfactant blend with natural terpenes for solvent cleaning and degreasing.
Product Packaging	5 L, 25 L, 200 L
Supplier	GEARTH (Pty) Ltd
Address	96 Lazy River Road, Centurion, 0157, Gauteng, South Africa
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EMERGENCY CONTACTS

GEARTH Office:	021 004 8183
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Description	Proprietary Surfactant Blend
Dangerous Components	Methyl Alcohol (CAS 67-56-1) < 20%; Natural Terpenes

3 HAZARDS IDENTIFICATION

Hazard Identification	Non-Hazardous.
R Phrases	R20/21/22/23/24/25; R36/37/38/41/43; R44
S Phrases	S15/16/17; S36/39; S45/46; S28 (water); S62/63/64; S29
General Information	Irritant vapour. Use in well-ventilated areas.

4 FIRST AID MEASURES

General Information	Irritant vapour.
Inhalation	Supply fresh air. Consult doctor in case of symptoms.
Skin	Immediately wash with soap and water and rinse thoroughly.
Eyes	Rinse opened eye for several minutes under running water.
Ingestion	In case of persistent symptoms consult a doctor.

5 FIRE FIGHTING MEASURES

Extinguishing Media	Conventional firefighting measures are appropriate.
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6 ACCIDENTAL RELEASE MEASURES

Personal Safety	Wear respiration equipment and protective clothing.
Environmental Protection	Should not be discharged into water courses without prior consultation and authorisation.
Cleaning / Collecting	Absorb with liquid-binding material (sand, sawdust, cotton waste). Incinerate contaminated material or dispose with municipal waste in smaller amounts.

7 HANDLING AND STORAGE

Safe Handling	Wear respiration equipment (inorganic cartridge) and eye protection. No special measures required for explosion and fire protection.
Safe Storage	No special requirement for storerooms and containers. Protect from frost and direct sunlight.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
Hand Protection	Protective gloves.
Eye Protection	Safety glasses recommended during handling.
Respiratory Protection	Respirator with inorganic cartridge.
Body Protection	Protective work clothing.
9 PHYSICAL AND CHEMICAL PROPERTIES	
Form	Liquid.
Appearance & Colour	Orange amber to brown, transparent.
Melting Point	N/A
Solubility in Water	Fully soluble.
Boiling Point	Approx. 80°C
pH Value @ 20°C	9.2–9.8
Flash Point	Not flammable in form as supplied.
Explosive Properties	Only if heated in confinement.
Vapour Pressure	Not determined.
Relative Density	0.86–0.88 g/cm ³
Organic Solvent Content	10–20%
Solid Content	80–90%
10 STABILITY AND REACTIVITY	
Stability	The product is stable.
Conditions to Avoid	Excessive heat (> 40°C) and freezing. Repeated freezing and thawing.
Minimum Shelf Life	12 months from date of manufacture.
Dangerous Reactions	None known.
Decomposition Products	None if used as recommended.
11 TOXICOLOGICAL INFORMATION	
Acute Toxicity	LD/LC50 values not applicable for classification.
Sensitisation	No sensitising effect known.
Skin	No immediate irritant effect.
Eyes	Very irritant effect.
12 ECOLOGICAL INFORMATION	
Persistence / Degradability	Method: OECD 301. BOD-Elimination degree: > 70%. Product is eliminated in waste water treatment plants by physical and biological means.
Ecotoxicological Effects	No interference with degrading activity of activated sludge expected when properly entered into sewerage system.
AOX	Product does not contain substances that can influence the AOX value of effluent water.
Heavy Metals	None (per EC Guideline 76/464/EC).
13 DISPOSAL CONSIDERATIONS	
Disposal Methods	Consult local legislative bylaws. If in doubt, hand over to an authorised hazardous waste treatment plant.

Container Disposal	Packaging can be reused or recycled after cleaning with water (and cleaning agent if required).
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14 TRANSPORT INFORMATION

Transport	Not hazardous for transport according to ADR, IMDG and IATA regulations.
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Marine Pollutant	No.
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15 REGULATORY INFORMATION

EC Guidelines	Product is not subject to identification regulations under EC directives and the Ordinance on Hazardous Materials (CHIP). Observe normal safety regulations when handling chemicals.
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Water Hazard Class	Water hazard class 2 (self-assessed) — hazardous for water in concentration.
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16 OTHER INFORMATION

This MSDS summarises GEARTH's best knowledge of the health and safety hazard information available for this product and the measures required to handle and use it safely. Each user should read this MSDS in connection with their specific application and intended use.

Disclaimer: The information provided is correct to the best of our knowledge at the date of publication. It is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not a warranty or quality specification. GEARTH (Pty) Ltd shall not be held liable for any damage resulting from handling or contact with this product.

Document Reference: GEARTH-MSDS-UltraSolve-001

Revision Date: June 2026

Version: 1.0
