Type: Biodegradable solvent replacement and heavy-duty degreaser	**Grades:** EcoSolve (5 – 20) through EcoSolve Pro (70 – 100)	**Freezing Point:** EcoSolve Pro (100): −90 °C

GEARTH EcoSolve is a potent, highly versatile solvent replacement — a naturally derived, biodegradable degreaser that outperforms petroleum distillates without the hazards associated with butyl or harsh alkalis. It is considerably less harmful to operators than traditional solvents and degreasers, and carries a powerful, clean, natural scent.

EcoSolve is supplied across a graded dilution range, from the lower grades used in water-dilutable cleaning applications through to EcoSolve Pro at 70 – 100 strength for parts washers, dip baths, spot and stain removal and cold-environment applications. The grade is selected to match the substrate and the soil rather than one strength being forced across every task.

1 KEY FEATURES & BENEFITS

- More effective as a degreaser than petroleum distillates
- Contains none of the hazards associated with butyl or harsh alkalis
- Biodegradable and formulated with bio-based, low-toxicity ingredients
- Considerably less harmful to operators than traditional solvents
- Powerful, clean, naturally derived fragrance
- Graded dilution range matches strength to substrate and soil
- No effect on cured epoxies while dissolving most contact adhesives rapidly
- EcoSolve Pro will not readily freeze — a −90 °C freezing point suits cold and underground storage
- Separates rapidly from water, suiting oil-water separator environments

2 APPLICATION AREAS

Heavy Duty Degreasing	Shops, floors, work benches, tools, mechanical repairs and machinery; washing of large equipment and trucks
Concrete & Floor Cleaning	Concrete pads, parking complexes and airport runways. Applied to oil spots it lifts the oil from the surface for capture with an absorbent medium; water-dilutable grades apply by mop and bucket or through floor scrubbers for oil and forklift tyre marks
Graffiti & Tar Removal	Cleans graffiti off concrete, effectively replacing xylene in graffiti removers, and removes tar from cement bridges. Strong enamels and cured epoxy paints are generally not removed
Spot & Stain Removal	EcoSolve Pro grades 70 – 95 remove ink, oil, grease, paint, tar, chewing gum and asphalt, and excel at removing ink from rollers and presses
Adhesive Removal	Dissolves most contact adhesives very quickly, with almost no effect on already cured epoxies
Parts Washers & Dip Baths	EcoSolve Pro (100) replaces petroleum-derived products in truck and automotive parts washers; grades 15 – 95 work well in closed automatic parts wash machines
Penetrating Oil	Sprayed to loosen bolts — wicks into tight joints and dissolves hardened greases and oils to free bound nuts and bolts
Release Agent	Sprayed on the beds of tar and asphalt trucks before loading to ease unloading; replaces diesel fuel commonly used for this purpose
Marine & Shipping	Degreasing diesel engines and bearings, removal of heavy carbon deposits, cleaning slop hoses, cleaning and recycling oil filters, and general ship maintenance; rapid water separation suits oil-water separators

3 DIRECTIONS FOR USE

- Step 1 — Select the grade: Match the EcoSolve grade to the task — lower grades for water-dilutable general cleaning and floor work, EcoSolve Pro (70 – 100) for parts washing, spot and stain removal and cold-environment use.
- Step 2 — Test: Test on a small inconspicuous area first, particularly on painted, coated or plastic substrates.
- Step 3 — Apply: Apply by spray, brush, mop and bucket, floor scrubber, dip bath or parts washer as suited to the application.
- Step 4 — Allow penetration: Give the product time to penetrate and lift the soil before agitating or rinsing.
- Step 5 — Recover: For oil lifted from concrete or floors, capture the lifted oil with an absorbent medium such as GEARTH SpillSorb rather than flushing it to drain.
- Contact GEARTH for grade selection and dilution guidance on a specific substrate or soil.

4 TECHNICAL SPECIFICATIONS

Physical State	Liquid
Formulation Type	Naturally derived biodegradable solvent replacement and degreaser
Available Grades	EcoSolve (5 – 20) and EcoSolve Pro (70 – 100)
Hazardous Constituents	Contains no butyl and no harsh alkalis
Freezing Point	EcoSolve Pro (100): −90 °C — will not readily freeze
Water Separation	EcoSolve Pro (100) and water separate rapidly
Substrate Effect	Removes most contact adhesives and paints; generally does not remove strong enamels or cured epoxies
Odour	Powerful, clean, naturally derived scent
Biodegradability	Biodegradable
Operator Safety	Formulated with bio-based, low-toxicity ingredients — considerably less harmful than traditional solvents
Country of Manufacture	South Africa

5 STORAGE & SHELF LIFE

Storage Conditions	Store sealed at ambient temperature out of direct sunlight. EcoSolve Pro (100) is suited to cold and underground storage through freezing winters.
Handling	Avoid prolonged skin contact and eye contact. Use in ventilated areas and wear appropriate PPE for the grade and application.

This Technical Data Sheet reflects GEARTH's current product specification and application guidance at the date of issue. GEARTH (Pty) Ltd continually develops its formulations and reserves the right to revise specifications without prior notice. Because site conditions, substrates and effluent loads vary, the user remains responsible for confirming suitability for a specific application — GEARTH technical staff are available to assist with site-specific dosing and trial protocols. Handle all products in accordance with the applicable Safety Data Sheet and South African health, safety and environmental legislation.