GEARTH EcoSolve Pro

High-Strength Solvent Replacement | Grades 70 – 100 | Parts Washers, Dip Baths & Cold Environments

Type: High-strength biodegradable solvent replacement and degreaser	**Grade Range:** 70 – 100 (undiluted at 100)	**Freezing Point:** −90 °C at grade 100 — will not readily freeze

GEARTH EcoSolve Pro is the high-strength end of the EcoSolve range — a naturally derived, biodegradable solvent replacement supplied at grades 70 to 100 for work the water-dilutable grades cannot carry. It outperforms petroleum distillates as a degreaser while containing none of the hazards associated with butyl or harsh alkalis, and is considerably less harmful to operators than traditional solvents.

Pro grades are specified where the solvent must work neat and stay in service: truck and automotive parts washers, dip baths, ink and adhesive removal, spot and stain work, penetrating and release-agent duty, and cold or underground storage. Chemistry is common to the EcoSolve range — only the working strength differs, so grade is selected to match substrate and soil rather than forcing one strength across every task. For water-dilutable general cleaning and floor work, specify GEARTH EcoSolve (grades 5 – 20).

1 KEY FEATURES & BENEFITS

- Works neat at grade 100 — no dilution required for parts washers and dip baths
- More effective as a degreaser than petroleum distillates
- Contains no butyl and no harsh alkalis
- Biodegradable and formulated with bio-based, low-toxicity ingredients
- Considerably less harmful to operators than traditional solvents
- −90 °C freezing point — suited to cold and underground storage through freezing winters
- Separates rapidly from water, suiting oil-water separator environments
- Dissolves most contact adhesives quickly with almost no effect on cured epoxies
- Excels at removing ink from rollers and presses
- Powerful, clean, naturally derived fragrance

2 GRADE SELECTION

Grade	Working Strength	Specify For
EcoSolve 5 – 20	Water-dilutable	General cleaning, floors, mop and bucket, floor scrubbers
EcoSolve Pro 70 – 95	High strength	Spot and stain removal, ink, tar, gum, asphalt, closed automatic parts wash machines
EcoSolve Pro 100	Neat	Truck and automotive parts washers, dip baths, penetrating oil, release agent, cold storage

Contact GEARTH for grade selection and dilution guidance on a specific substrate or soil.

3 APPLICATION AREAS

Parts Washers & Dip Baths	Grade 100 replaces petroleum-derived products in truck and automotive parts washers; grades 70 – 95 work well in closed automatic parts wash machines
Spot & Stain Removal	Removes ink, oil, grease, paint, tar, chewing gum and asphalt; excels at removing ink from rollers and presses
Adhesive Removal	Dissolves most contact adhesives very quickly, with almost no effect on already cured epoxies
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
Heavy Duty Degreasing	Workshop floors, benches, tools, mechanical repairs, machinery and large equipment
Graffiti & Tar Removal	Cleans graffiti off concrete, replacing xylene in graffiti removers, and removes tar from cement bridges. Strong enamels and cured epoxy paints are generally not removed
Marine & Shipping	Degreasing diesel engines and bearings, removal of heavy carbon deposits, cleaning slop hoses, cleaning and recycling oil filters; rapid water separation suits oil-water separators
Cold & Underground Sites	Mines, cold rooms and unheated stores where conventional solvents thicken or freeze

4 DIRECTIONS FOR USE

- Step 1 — Select the grade: 100 for parts washers, dip baths, penetrating and release-agent duty; 70 – 95 for spot, stain, ink and closed automatic parts wash machines.
- Step 2 — Test: Test on a small inconspicuous area first, particularly on painted, coated or plastic substrates.
- Step 3 — Apply: Apply by spray, brush, 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 wiping.
- Step 5 — Recover: Capture lifted oil with an absorbent medium such as GEARTH SpillSorb rather than flushing it to drain.
- Wear appropriate PPE for the grade and application; use in ventilated areas.

5 TECHNICAL SPECIFICATIONS

Physical State	Liquid
Formulation Type	Naturally derived biodegradable solvent replacement and degreaser
Available Grades	70 – 100
Hazardous Constituents	Contains no butyl and no harsh alkalis
Freezing Point	−90 °C at grade 100 — will not readily freeze
Water Separation	Grade 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
Companion Product	GEARTH EcoSolve (grades 5 – 20) for water-dilutable cleaning and floor work
Country of Manufacture	South Africa

6 STORAGE & SHELF LIFE

Storage Conditions	Store sealed at ambient temperature out of direct sunlight. Grade 100 is suited to cold and underground storage through freezing winters.
Handling	Avoid prolonged skin 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.