

Type: Naturally Derived Eco-Solvent Cleaner & Degreaser	Scent: Orange or Pine Derived Fragrance Oils Biodegradable	Shelf Life: 12 Months Available: 5L, 25L, 1000L
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PRODUCT DESCRIPTION

GEARTH UltraSolve is a heavy-duty, eco-friendly and naturally derived solvent cleaning chemical that is fully biodegradable. It is more effective than most harsh petroleum distillates but does not carry the hazards associated with butyl or harsh alkalies. It is considerably safer for humans and the environment than traditional solvents and degreasers, while delivering superior cleaning performance.

GEARTH UltraSolve is highly versatile across a wide range of industrial, commercial and maintenance applications. Its powerful, lingering and naturally derived orange or pine fragrance scent makes it the ideal replacement for hazardous solvents across facilities where worker health, environmental responsibility and cleaning performance are all priority concerns. With a **KB value of 67** — close to that of CFCs — GEARTH UltraSolve has solubility properties that significantly exceed typical mineral spirits, making it a direct substitute for most organic solvents.

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KEY FEATURES & BENEFITS

- More effective than most harsh petroleum distillates
- Does not contain hazards associated with butyl or harsh alkalies
- Fully biodegradable — considerably safer for humans and the environment
- Naturally derived — orange or pine fragrance oil base
- Powerful, lingering and pleasing natural scent
- KB value of 67 — superior solubility vs typical mineral spirits
- Direct substitute for mineral spirits, MEK, acetone, toluene, glycol ethers, fluorinated and chlorinated organic solvents
- Freezing point of -90°C — suitable for underground and cold-climate storage
- UltraSolve 100: separates rapidly from water — compatible with oil/water separators
- UltraSolve 40: fully water and oil soluble — ideal for high-pressure spray systems
- Reusable in multiple applications (e.g. parts washers, marine dip baths)
- Will not harm bacterial action in sewage treatment plants (UltraSolve 100)
- Excellent alternative to hazardous solvents across a wide range of industries
- EcoChoice Approved

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APPLICATIONS BY SECTOR

Application	Detail & Recommended Grade
Heavy Duty Degreasing	Shops, floors, workbenches, tools, mechanical repairs, machinery and large equipment including trucks. Recommended: UltraSolve 10, 20 or 100.
Concrete & Floor Cleaning	Effective maintenance cleaner for concrete pads, parking complexes and airport runways. Removes tyre marks, forklift marks, graffiti and tar. Recommended: UltraSolve 100 or water-dilutable grades.

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Spot & Stain Removal	Effectively removes ink, oil, grease, paint, tar, bubble gum and asphalt. Excellent for cleaning ink from rollers and printing presses. Recommended: UltraSolve 70–95.	
Adhesive Removal	Excellent removal of adhesives from various substrates. Recommended: UltraSolve 70–100.	
Parts Washers & Dip Baths	Replacement for petroleum-derived products in truck and automobile maintenance parts washers. Recommended: UltraSolve 15 (recirculating, up to 74°C), UltraSolve 100.	
Penetrating Oil	Spray-on product to loosen bolts; wicks into tight joints. Recommended: UltraSolve 100.	
Release Agent	Sprayed onto beds of tar and asphalt trucks prior to loading. Recommended: UltraSolve 100.	
Marine Vessels & Ships	Degreasing diesel engines and bearings; oil/water separator compatible. Recommended: UltraSolve 20, 100.	
Printing Ink Cleaning	Excellent for removing ink from rollers and presses. Recommended: UltraSolve 20, 100.	
Drain & Grease Trap Cleaning	Excellent alternative to hazardous acid or caustic drain cleaners. Recommended: UltraSolve 40.	
Lift Station Degreasing	Floats on surface to eliminate odours; will not harm bacterial action in sewage treatment plants. Recommended: UltraSolve 100.	

4 GEARTH ULTRASOLVE PRODUCT RANGE		
Grade Name	Dilutability	Key Features & Uses
UltraSolve 2 RTU Spray & Wipe	Lightly dilutable	Ideal all-purpose RTU cleaner. Safe for hard surfaces, fabrics, carpets and upholstery. Orange scent.
UltraSolve 5 Concentrated Cleaner	Moderately dilutable	All-purpose concentrated cleaner for medium to high strength cleaning applications.
UltraSolve 10 Super Concentrated Cleaner	Highly dilutable	Safe alternative to petroleum distillates and chlorinated solvents. Heavy to medium-duty degreasing.
UltraSolve 15 Parts Washer	Industrial use	Industrial-strength parts washer. Quickly penetrates grease, oil and tar deposits, up to 74°C.
UltraSolve 20 Water Rinsable Degreaser	Water rinsable	Removes grease, oil and tar from motors, chassis, tools and parts. Suitable for marine dip baths.

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UltraSolve 40 Drain & Grease Trap Cleaner	Fully water & oil soluble	Excellent alternative to hazardous acid or caustic drain cleaners. Ideal for high-pressure spray systems.
UltraSolve 70 Tar Remover	As required	Effectively removes tough soils including tar, pitch asphalt and roofing compounds.
UltraSolve 95 Emulsifiable Solvent	As required	All-natural, biodegradable formula. Strips heaviest grease, grime, wax, oils, adhesives, tar and asphalt.
UltraSolve 100 Lift Station Degreaser	Not water soluble	Floats on surface; dissolves heavy grease and fat accumulations. Freezing point -90°C.

5 SOLVENT REPLACEMENT REFERENCE

Solvent Replaced	Recommended Grade	Notes
Mineral Spirits	UltraSolve 100	KB value of 67 — significantly better solubility than mineral spirits
Methyl Ethyl Ketone (MEK)	UltraSolve 95–100	Direct substitute in most applications
Acetone	UltraSolve 95–100	Direct substitute in most applications
Toluene	UltraSolve 95–100	Direct substitute in most applications
Glycol Ethers	UltraSolve range	Select grade based on application strength required
Fluorinated Solvents	UltraSolve 100	Biodegradable and safer alternative
Chlorinated Solvents	UltraSolve 10, 95, 100	Safer, biodegradable replacement; no chlorinated hazards
Xylene (graffiti removers)	UltraSolve 70–100	Effectively replaces xylene in graffiti removal applications
Diesel (release agent use)	UltraSolve 100	Biodegradable; -90°C freezing point; safer for ground contact

6 TECHNICAL SPECIFICATIONS

Physical State	Liquid (all grades)
Appearance	Not Specified
Specific Gravity	Not Specified

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pH	Not Specified
Solubility	UltraSolve 2–40: water soluble (UltraSolve 40: fully water and oil soluble); UltraSolve 70–100: not water soluble
Odour	Powerful, lingering and pleasing naturally derived fragrance (orange or pine derived fragrance oils)
Flash Point	Not Specified
Freezing Point	UltraSolve 100: -90°C
KB Value	67 — solubility properties close to CFCs; significantly exceeds typical mineral spirits
Formulation Type	Naturally derived eco-friendly solvent cleaner; fully biodegradable; no butyl, no harsh alkalies
Biodegradability	Fully biodegradable
Raw Material Origin	Naturally derived
Oil/Water Separation	UltraSolve 100 separates rapidly from water — compatible with oil/water separators on large shipping vessels
Bacterial Compatibility	UltraSolve 100: will not harm bacterial action in sewage treatment plants; UltraSolve 40: will not disrupt bacterial action in drains and septic systems
Reusability	Reusable in parts washers and marine dip bath applications

7 STORAGE & SHELF LIFE

Shelf Life	12 months from date of manufacture.
Storage Conditions	Store at ambient temperature, away from direct sunlight. Keep container sealed when not in use. UltraSolve 100 is suitable for underground storage through frozen winters due to its -90°C freezing point.

8 PACKAGING

Pack Size	Description
5 L	Standard container
25 L	Standard container
1 000 L	Flow bin / IBC

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Super Concentrate	Available for simple self-manufacturing — significantly reduces shipping costs
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9 ENVIRONMENTAL INFORMATION

- Fully biodegradable — naturally derived from orange or pine fragrance oil origins.
- Does not contain hazardous butyl, harsh alkalies, chlorinated or fluorinated solvents.
- Considerably safer for humans and the environment than traditional solvents and degreasers.
- UltraSolve 100 compatible with oil/water separators — does not contaminate separated water streams.
- UltraSolve 100 will not harm bacterial action in sewage treatment plants.
- UltraSolve 40 will not disrupt bacterial action in drains and septic systems.
- Biodegradable replacement for diesel in release agent applications — safer for ground contact.
- EcoChoice Approved.

The information contained in this Technical Data Sheet is based on data believed to be accurate at the time of publication. GEARTH (Pty) Ltd reserves the right to update or revise specifications without prior notice. Users are responsible for determining the suitability of this product for their specific application. Always handle cleaning products in accordance with applicable health, safety and environmental legislation. Select the appropriate UltraSolve grade for each application. Wear appropriate PPE during handling and application. Refer to the product Safety Data Sheet (SDS) for full handling, first aid and emergency procedures.