

THE LAB[®]

Chemicals & Coatings



Technical and Safety Data Sheet

Version: 2026



THE LAB ECO WASH

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Product Family: Degreasers & Surface Preparation

Typical System Guidance

Typical cleaning and surface preparation system

1. Assess the substrate and identify the type and severity of contamination.
2. Dilute **THE LAB ECO WASH** according to the cleaning application.
3. Apply by spray, brush, mop, cloth or pressure washer.
4. Allow sufficient dwell time for the product to penetrate and emulsify contaminants.
5. Agitate heavily contaminated areas where necessary.
6. Rinse thoroughly with clean water or pressure wash where required.
7. Allow the surface to dry before applying primers, coatings or floor systems.

Always perform a small test area before large-scale application, particularly on sensitive substrates.

Product Description

THE LAB ECO WASH is a highly concentrated, water-based, biodegradable industrial cleaner, degreaser, sanitiser and hydrocarbon emulsifier designed for commercial, industrial and domestic cleaning applications. It rapidly breaks down grease, oils, hydrocarbons and general contamination while remaining environmentally responsible when used as directed.

The formulation is free from phosphates, chlorine bleach, ammonia, volatile organic compounds (VOCs) and nonylphenol compounds. It is non-flammable, low odour and suitable for use in enclosed areas where solvent-based cleaners would be unsuitable. The product also possesses anti-static and dust-repellent properties, making it particularly effective for cleaning solar panels, glass, painted surfaces and sensitive industrial equipment.

Technical Data Summary

Property	Typical Value
Product Type	Water-Based Biodegradable Heavy-Duty Cleaner & Degreaser
Appearance	Clear Liquid
Colour	Green
Odour	Characteristic Lemon
pH	6.5 – 7.5
Specific Gravity	1.06 – 1.07 kg/L
Flash Point	None (Non-Flammable)
VOC Content	None
Water Solubility	Completely Soluble
Biodegradability	OECD 301D Compliant Surfactants
Application Methods	Spray, Brush, Cloth, Mop, Roller or Pressure Washer
Dilution Ratios	1:1 Heavy Duty • 1:4 Medium Duty • 1:20 Light Cleaning
Clean Up	Clean Water
Packaging	5 L and 20 L

Intended Uses

THE LAB ECO WASH is recommended for:

- Industrial workshop cleaning
- Factory floors
- Wash bays
- Mining and heavy equipment
- Vehicle fleets and engine bays
- Workshop tools and machinery
- Solar panels
- Glass and window cleaning
- Concrete floor degreasing
- Oil and grease spill clean-up
- Commercial kitchens
- Abattoirs
- Food processing facilities
- Hospitality facilities
- Domestic cleaning
- Laundry pre-treatment

- PPE and workwear cleaning
- Office cleaning
- Bathroom and ablution facilities
- Carpet, tile and grout cleaning

Principal Characteristics

- Highly concentrated formulation
- Biodegradable and environmentally responsible
- Heavy-duty degreasing action
- Excellent hydrocarbon emulsification
- Non-flammable
- VOC free
- Phosphate free
- Bleach free
- Ammonia free
- Nonylphenol free
- Low odour
- Suitable for confined spaces
- Anti-static and dust-repellent properties
- Safe for most painted surfaces
- Excellent for solar panel cleaning
- Suitable for pressure washer application
- Easy dilution for multiple cleaning applications
- Helps maintain oil-water separator efficiency

Recommended Dilution Rates

Application	Dilution
Heavy-duty degreasing	1 : 1
Medium-duty cleaning	1 : 4
General cleaning	1 : 20
Pressure washing	30–50% solution
Laundry pre-treatment	Full concentrate on stains

Limitations

THE LAB ECO WASH is not recommended:

- For use on electrical equipment while energised.
- For direct discharge of large quantities of concentrate into natural watercourses.
- For mixing with strong acids or oxidising chemicals.
- For prolonged contact with sensitive aluminium surfaces without prior testing.
- As a substitute for specialist bitumen removers where heavy bituminous contamination exists.

Although environmentally responsible, concentrated product should always be handled responsibly and prevented from entering sensitive aquatic environments.

Surface Preparation

Before cleaning, remove loose debris and excessive contamination.

Identify the type of contaminant and select the appropriate dilution ratio.

For heavily contaminated surfaces, apply the product generously and allow sufficient contact time before agitation.

Oil-stained concrete may require repeated applications depending on the depth of contamination.

Always rinse thoroughly with clean water after cleaning where residues could interfere with subsequent coatings or adhesives.

Application Guidelines

Prior to application:

- Stir or gently agitate before use if required.
- Select the correct dilution ratio for the application.
- Apply by spray, cloth, brush, mop or pressure washer.
- Allow adequate dwell time to emulsify grease and contamination.
- Agitate stubborn contamination where necessary.
- Rinse thoroughly with clean water.

For pressure washing applications, dilute between **30–50%** depending on contamination level.

Where coating systems are to be applied after cleaning, ensure the substrate is completely dry before priming or painting.

Storage

Store in tightly sealed original plastic containers in a cool, dry, well-ventilated area.

Recommended storage temperature: **12°C to 45°C**.

Protect from freezing, direct sunlight and contamination.

Do not store in unlined metal containers.

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