

Total Outdoor Cleaner Concentrate

Priority manufacturer requirements | 1-gallon concentrate | Pressure washing, patios, siding and outdoor surfaces

PRODUCT FORMAT	1-gallon concentrated liquid in a handle jug
DILUTION	Manufacturer to propose and validate ratios by application and soil level
PRIMARY USE	Pressure washing and manual cleaning of compatible exterior hard surfaces
STATUS	Manufacturer evaluation brief - not a final formula or purchase specification

1. Product Purpose

- Develop a versatile outdoor cleaner concentrate for pressure-washer and manual-application workflows.
- Remove outdoor dirt, grime, traffic film, organic staining, grease, and weather-related buildup.
- Support use on patios, concrete, masonry, vinyl siding, fences, outdoor furniture, and other validated surfaces.
- Avoid unsupported disinfecting, pesticidal, and environmental claims.

2. Priority Formula Requirements

- Concentrated formula appropriate for a 1-gallon commercial package.
- Propose dilution ranges for downstream injection, detergent tank or foam cannon, pump sprayer, and manual bucket cleaning where supported.
- Provide effective wetting, soil lifting, controlled foam, dwell time, and rinsing for intended equipment.
- Free from chlorine bleach unless separately proposed with safety, compatibility, and shipping review.
- Avoid phosphates and unnecessarily harsh solvents; disclose pH and handling precautions.
- Maintain stability in concentrate and after each proposed dilution for the stated period.
- Provide low-odor and restrained-fragrance options.

DILUTION DEVELOPMENT: Propose evidence-based dilution ranges that balance cleaning, equipment compatibility, surface safety, cost per use, and practical customer directions.

3. Surface, Equipment and Runoff Considerations

- Test concrete, pavers, brick, masonry, vinyl siding, painted surfaces, composite decking, sealed wood, plastics, and pressure-washer components as applicable.
- Clearly list exclusions and spot-testing directions.
- Validate compatibility with seals, hoses, pumps, detergent tanks, downstream injectors, and foam equipment.
- Provide pre-wetting, dwell-time, agitation, rinsing, plant-protection, runoff, and wastewater guidance.
- Avoid claims to kill or control algae, mold, mildew, bacteria, or pests without required registration and substantiation.

4. Performance and Stability Testing

- Cleaning performance against representative outdoor soil at each proposed dilution.
- Foam behavior, cling, dwell time, rinseability, and residue for each application method.
- Surface discoloration, etching, corrosion, coating damage, and seal compatibility.
- Pressure-washer equipment compatibility under proposed operating conditions.
- Accelerated, real-time, freeze-thaw, elevated-temperature, and final-packaging stability.

5. Product Format and Packaging

- Preferred size: 1 gallon in a chemical-compatible handle jug.
- Leak-resistant closure and tamper-evident system suitable for warehousing, parcel shipping, and fulfillment.
- Propose accurate measuring or dispensing accessories for recommended dilution ranges.
- Provide filled weight, dimensions, case pack, carton details, pallet configuration, and storage limits.

6. Required Manufacturer Documentation

- Current Safety Data Sheet (SDS) and ingredient disclosure suitable for U.S. review.
- Certificate of Analysis (COA) for each production batch.
- Shelf-life, accelerated stability, and packaging-compatibility documentation.
- Cleaning-performance and surface-compatibility results at every labeled dilution.
- Written confirmation of applicable U.S. federal and state labeling requirements.
- Formula-specific support before using non-toxic, biodegradable, eco-friendly, pet-friendly, or similar claims.
- Product-liability insurance information, if available.

7. Regulatory and Claim Limitations

- Do not claim to disinfect, sanitize, kill bacteria, control mold or mildew, or provide pesticidal protection without required registration and substantiation.
- Avoid safe-for-plants, non-toxic, biodegradable, or runoff claims unless supported by formula-specific testing and review.
- Final directions and warnings must reflect the formula, equipment, dilutions, surfaces, and environmental controls.

Supplier Response Requested

- Existing or adaptable formula available: Yes / No.
- Sample lead time and cost.
- MOQ, unit pricing tiers, production lead time, and monthly capacity.
- Available packaging and fragrance options.
- Available technical documents and test reports.
- Proposed dilution ratios by surface, soil level, and application equipment.
- Pressure-washer and foam-equipment compatibility information.