

Heavy-Duty All-Purpose Cleaner & Degreaser

Priority manufacturer requirements | 1-gallon concentrate | Indoor and light-commercial cleaning

PRODUCT FORMAT	1-gallon concentrated liquid in a handle jug
TARGET DILUTION	1:3 - one part concentrate plus three parts water; subject to validation
PRIMARY USE	Indoor and light-commercial grease removal and general cleaning
STATUS	Manufacturer evaluation brief - not a final formula or purchase specification

1. Product Purpose

- Develop a concentrated cleaner and degreaser for routine and heavy-duty cleaning of compatible hard surfaces.
- Remove kitchen grease, cooking oils, food soil, tracked-in grime, fingerprints, and general household or commercial soil.
- Support use in kitchens, utility areas, workshops, offices, retail backrooms, and other appropriate indoor spaces.
- Perform at the final labeled dilution without excessive residue or an objectionable film.

2. Priority Formula Requirements

- Target standard dilution of 1:3. One gallon should make four gallons of ready-to-use solution, approximately sixteen 32 fl oz refills.
- Develop and validate the concentrate so cleaning and degreasing targets are achieved at the final 1:3 strength.
- Provide practical dwell time, wipeability, rinsability, and low residue.
- Free from chlorine bleach, ammonia, phosphates, and unnecessarily harsh solvents.
- Non-corrosive when used as directed and compatible with intended hard surfaces.
- Propose fragrance-free and restrained-fragrance options.
- Maintain physical and chemical stability throughout the proposed shelf life.

DILUTION TARGET: 1:3 is the commercial target, not a substitute for laboratory validation. Disclose feasibility and propose a tested alternative if equal performance cannot be achieved.

3. Surface Scope and Label Controls

- Test common sealed countertops, glazed tile, stainless steel, coated appliances, sealed floors, and other proposed surfaces.
- Identify surfaces requiring spot testing or exclusion, such as unsealed wood, natural stone, aluminum, painted surfaces, or specialty finishes.
- Provide directions for spray-and-wipe, bucket, mop, and other supported methods.
- Avoid food-contact-surface claims unless rinse directions and supporting review are provided.

4. Performance and Stability Testing

- Grease, oil, food-soil, grime, and general-soil removal at the final 1:3 dilution.
- Residue, streaking, rinsability, and fragrance evaluation.
- Compatibility testing for every surface category proposed for the label.
- Accelerated, real-time, freeze-thaw, and elevated-temperature stability in final packaging.
- Preservative effectiveness or microbial-control testing appropriate to the formula.

5. Packaging Requirements

- Preferred size: 1 gallon in a chemical-compatible handle jug suitable for controlled pouring.
- Leak-resistant closure and tamper-evident seal suitable for parcel shipping and fulfillment.
- Provide filled weight, dimensions, case pack, master-carton details, and pallet configuration.
- Propose compatible measuring or dispensing options for accurate 1:3 dilution.

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, or provide antibacterial protection unless the finished product has required EPA registration and substantiation.
- Review final safety, surface, environmental, and performance claims against the completed formula and test results.

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.