

Heavy Duty Degreaser (Concentrate) 5L

Alle's ClinX Labs Heavy Duty Degreaser (Concentrate) is a high-alkalinity industrial degreaser that converts fats, oils, and carbonised grease deposits into water-soluble compounds through saponification chemistry. pH 11–12. Adjustable concentration — 1:4 for maintenance, higher strength for deep clean. 5-litre institutional concentrate.

■ 1785 / 5 L

OVERVIEW

Commercial kitchen grease accumulation is categorised by chemists in three stages that require progressively different treatment approaches: fresh grease — liquid or semi-solid, recently deposited, easily removed; polymerised surface film — partially oxidised and cross-linked, requiring alkaline chemistry for saponification; and carbonised deposits — fully oxidised, baked on at high temperature, with a glassy surface that resists penetration. Healthcare kitchen infrastructure, industrial canteen extraction systems, and educational mess hall cooking equipment accumulate all three simultaneously in a stratified layer structure.

KEY FEATURES

pH 11–12 saponification system

converts fats and oils into water-soluble soap-like compounds on contact — the chemistry that makes carbonised grease deposits soluble rather than simply loosened.

Effective on the full soiling spectrum

fresh cooking grease, polymerised surface films, and carbonised baked-on deposits — the three stages of grease accumulation that require progressively stronger treatment.

Concentration flexibility

standard 1:4 dilution for scheduled maintenance cleaning — near-undiluted for deep-clean intervention on severe accumulation — one product, two operational modes.

Fire safety compliance

grease accumulation in extraction systems is a primary cause of commercial kitchen fires — regular chemical degreasing is a fire safety maintenance requirement, not a housekeeping preference.

Mandatory rinse protocol

formulated as part of a structured cleaning programme — alkaline residue documentation and rinse compliance support food safety audit trail requirements.

PRODUCT SPECIFICATIONS

Active system	High-alkalinity surfactant + saponification system
pH	11.0–12.0 (strongly alkaline)
Specific gravity	1.04–1.07 at 25°C
Formulation type	Aqueous concentrate
Appearance	Clear to slightly hazy liquid
Fragrance	Neutral
Dilution — maintenance	250 ml per litre (1:4)
Dilution — deep clean	Higher concentration or undiluted for severe accumulations
Contact time	5–10 minutes maintenance · 15–20 minutes heavy carbonised deposits

APPLICATION & USAGE

1	Routine maintenance (1:4 dilution) dilute 250 ml per litre of water. Apply by spray or brush. Allow 5–10 minutes contact. Wipe or rinse.
2	Deep clean — moderate accumulation apply at 1:2 dilution or stronger. Allow 10–15 minutes contact with periodic agitation using a stiff brush.
3	Deep clean — heavy carbonised deposits apply near-undiluted or undiluted for severe accumulations. Allow 15–20 minutes contact. Agitate with a stiff-bristle brush to break through the carbonised surface layer. Rinse thoroughly with hot water.

4	Ventilation use in well-ventilated areas — high-alkalinity vapour in enclosed spaces can cause respiratory irritation.
5	Rinse protocol rinse thoroughly after all applications — alkaline residue on food-contact surfaces is a food safety compliance issue. Mandatory rinse documentation is required for FSSAI audit compliance in healthcare and educational catering.

CAUTION & STORAGE

CAUTION — strongly alkaline concentrate. Causes skin burns and serious eye damage on contact with concentrate. Wear chemical-resistant gloves and full eye protection during application. Use in well-ventilated areas — alkaline vapour in enclosed spaces causes respiratory irritation. Do not use on aluminium, anodised aluminium, or painted surfaces — causes irreversible surface etching. Do not mix with acid cleaners — violent exothermic reaction. Store in original sealed contain

CONTACT & DOCUMENTATION

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