

Laundry Liquid Detergent 5L

Alle's ClinX Labs Laundry Liquid Detergent is an enzyme-surfactant institutional laundry concentrate formulated to reduce rewash rate through first-pass cleaning efficacy. pH 9–11. 50 ml per load. Compatible with front-load, top-load, and industrial batch washers. 5-litre institutional concentrate.

■ 1199 / 5 L

OVERVIEW

The economics of institutional laundry are straightforward but often poorly tracked: water, energy, chemical, and labour per load, multiplied by the daily load volume, minus the cost reduction from every percentage point improvement in first-pass clean rate. In a 100-bed hospital running 200 kg of linen daily, a 10% reduction in rewash rate saves more money annually than the entire detergent chemical budget.

KEY FEATURES

Enzyme-surfactant system

protease, lipase, and amylase activity targets protein, fat, and starch stains — the full soiling spectrum of healthcare linen, industrial uniforms, and educational facility textile loads.

Alkaline pH 9–11

optimises enzyme activity and enhances surfactant penetration simultaneously — the dual mechanism that delivers first-pass clean rates that reduce rewash frequency.

50 ml per load

precise, auditable dosing — eliminates the silent over-dosing that adds 30–50% to detergent cost in unmonitored institutional laundry operations.

Industrial machine compatible

front-load, top-load, and continuous batch washer deployment without foam management complications.

Hard water stable

maintains full enzyme and surfactant efficacy in facilities with water TDS above 500 ppm — the standard condition across most Indian institutional water supplies.

PRODUCT SPECIFICATIONS

Active system	Enzyme + surfactant blend (protease, lipase, amylase active)
pH	9.0–11.0 (alkaline)
Specific gravity	1.03–1.06 at 25°C
Formulation type	Aqueous concentrate
Appearance	Clear to slightly amber liquid
Fragrance	Fresh / neutral — institutional laundry appropriate
Dose per load	50 ml

APPLICATION & USAGE

- Dosing** Add 50 ml to the detergent drawer or directly to the drum before loading. Use measured dispensing equipment in high-volume operations to ensure consistent dosing.
- Pre-soak (heavily soiled loads)** For blood, oil-contaminated, or high-soil-load items, pre-soak in a solution of 50 ml per 10 litres of water at 40°C for 15–20 minutes before the main wash cycle.
- Temperature** 40–60°C for standard institutional linen. 60–90°C for infection control loads or items requiring thermal disinfection per healthcare laundry protocols.

- Machine types** Compatible with front-load, top-load, and continuous batch washers. Controlled foam profile prevents overflow in standard commercial laundry equipment.
- Delicate fabrics** Do not use for wool, cashmere, or silk — use Alle's ClinX Labs Woollen Wash for these fabric types.

CAUTION & STORAGE

Contains enzymes — individuals with known enzyme sensitivity should wear gloves when handling concentrate. Avoid inhalation of concentrate aerosol during dispensing. In case of eye contact, rinse immediately with water. Do not ingest. Keep out of reach of children. Store in original sealed container below 30°C, away from direct sunlight. Enzyme activity degrades above 40°C in storage — do not store near heat sources. Keep container tightly closed when not in use. Shelf life 1

CONTACT & DOCUMENTATION

allesclinx.com

General care@allesclinx.com

Procurement procurement@allesclinx.com

MSDS / TDS QR on label · available on request

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