

# Handwash Liquid - Lavender

Neutral pH 6.5–7.5 · Neutral pH 6.5–7.5 · with Mild Surfactant System + Lavender Fragrance

## KEY BENEFITS

— <b>Neutral pH 6.5–7.5</b>	respects the skin's natural acid mantle — prevents the dryness and irritation that is the primary cause of hand hygiene non-compliance in clinical and industrial environments.
— <b>Mild surfactant system</b>	removes microbial surface contamination without stripping the natural oils that maintain skin barrier integrity under the repeated washing demands of healthcare and industrial protocols.
— <b>Lavender fragrance</b>	measurably improves handwash compliance in clinical and institutional settings — the sensory experience of the product is a compliance variable, not a cosmetic one.
— <b>Direct dispenser fill</b>	compatible with standard push-pump, sensor, and institutional wall-mounted dispensers — no reformatting, no dilution, no complication.
— <b>5-litre bulk format</b>	reduces per-litre cost by 60–70% versus 500 ml consumer packs and dramatically decreases refill frequency across large multi-washroom institutional deployments.
— <b>Dispensing</b>	Fill directly into push-pump or sensor-activated dispensers. Refill when approximately 20% full to prevent pump cavitation.

## AT A GLANCE

<b>pH</b>	6.5–7.5 (neutral — skin-compatible)
<b>Dilution</b>	Ready to use — direct dispenser fill
<b>Fragrance</b>	Lavender — calibrated for healthcare and institutional environments
<b>Pack size</b>	5 Litres
<b>Shelf life</b>	24 months from date of manufacture, unopened
<b>Rinse after use</b>	Rinse hands thoroughly with water

## HOW TO USE

- 1 Dispensing**  
Fill directly into push-pump or sensor-activated dispensers. Refill when approximately 20% full to prevent pump cavitation.
- 2 Application**  
Apply 1–2 pumps (approximately 1.5–2 ml) to wet hands.
- 3 Hand washing technique**  
Lather for a minimum of 20 seconds, covering all surfaces — palms, backs of hands, between fingers, thumbs, and under nails. Follow WHO 6-step hand hygiene technique in clinical settings.
- 4 Rinse**  
Rinse thoroughly under running water. Dry with single-use paper towel in clinical and food-handling environments.
- 5 Volume management**  
At standard dispenser pump output of 1.5 ml per push, a 5-litre pack delivers approximately 3,300 hand washes. Plan refill schedules accordingly for high-traffic washroom locations.

## WHY IT WORKS

Why does pH matter in handwash formulation, and what is the skin's acid mantle? The skin surface maintains a naturally acidic environment — the acid mantle — with a pH of approximately 4.5–5.5. This acidic surface is not incidental: it is an active component of the skin's innate immune defence, creating an environment that inhibits the growth of pathogenic bacteria including *Staphylococcus aureus* and group A *Streptococcus* while supporting the commensal microbiome that outcompetes pathogens for colonisation sites. When a handwash product with a pH significantly above the skin's natural range is applied repeatedly, it temporarily alkalinises the skin surface. This alkalinisation disrupts the acid mantle, reduces the antimicrobial defence of the skin surface itself, increases transepidermal water loss, and — in products at pH 9–11 — begins to denature the keratin proteins that give skin its structural integrity. The result over time is the dry, cracked, sensitised skin that characterises frequent handwashers using alkaline soap products. A neutral pH formulation at 6.5–7.5 minimises this disruption while still achieving effective removal of transient microbial contamination through surfactant action. The skin surface pH recovers to its natural range within minutes of washing, maintaining barrier integrity across the high-frequency washing cycles required in healthcare, industrial, and educational institutional environments. This is why pH-neutral hand soap is not a cosmetic upgrade — it is a functional requirement for compliance-critical institutional hand hygiene.

## DID YOU KNOW

Fact Lavender fragrance isn't just pleasant — research in environmental psychology shows it measurably reduces stress response in clinical environments. In hospitals and busy offices, the fragrance choice in handwash directly impacts how often people use it. Compliance through chemistry — not posters.

## WHAT YOU GET FROM ONE PACK

### One 5-litre pack.

3,300 hand washes. Every washroom. Every shift. At standard pump output of 1.5 ml per application, a single 5L pack delivers 3,300 individual hand washes. For a 100-bed hospital ward with 80 staff washing hands an average of 10 times per shift across two shifts daily, one pack covers approximately 4 days of full-facility compliance. Versus 500 ml consumer packs at equivalent volume, the bulk format reduces per-wash cost by 65% and eliminates the management overhead of frequent individual pack replacement across multiple washroom locations. In educational institutions with 500+ students and staff, and industrial facilities with 200+ workers, the per-day volume savings on hand hygiene consumables from bulk institutional supply versus individual pack procurement are measurable at the monthly procurement level.

## FULL PRODUCT SPECIFICATIONS

<b>Formulation</b>	Mild surfactant blend — neutral pH liquid hand soap
<b>pH</b>	6.5–7.5 (neutral — skin-compatible)
<b>Specific gravity</b>	1.00–1.02 at 25°C
<b>Appearance</b>	Clear to slightly pearlescent liquid
<b>Fragrance</b>	Lavender — calibrated for healthcare and institutional environments
<b>Dilution</b>	Ready to use — direct dispenser fill
<b>Dispenser compatibility</b>	Standard push-pump, sensor, and institutional wall-mounted dispensers
<b>Safe for</b>	Frequent daily use — all skin types including sensitive skin
<b>Rinse after use</b>	Rinse hands thoroughly with water
<b>PPE</b>	None required
<b>Shelf life</b>	24 months from date of manufacture, unopened
<b>Pack size</b>	5 Litres
<b>MSDS / TDS</b>	Available on request

## CAUTION & STORAGE

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### **Handle with care.**

For professional and institutional use. For external use only. Avoid contact with eyes — in case of eye contact, rinse with water. Not for use as a wound cleanser or surgical scrub. Do not ingest. Keep out of reach of small children. If skin irritation occurs, discontinue use and consult a dermatologist. Store in original sealed container below 30°C, away from direct sunlight. Keep container closed when not in use. Do not dilute — formulated as ready-to-use product. Shelf life 24 months from manufacture date, unopened.

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### BEFORE YOU START — PPE REQUIRED

- ✓ Disposable gloves (recommended)

### QUICK REFERENCE

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**HAZARD i LOW**

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### DON'T

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Emergency / questions: care@allesclinx.com · allesclinx.com · National Poison Control (India): 1800-116-117