

# Metal Surface Cleaner Concentrate 5L

Alle's ClinX Labs Metal Surface Cleaner Concentrate is a mild acid institutional concentrate that dissolves mineral deposits, tarnish, and oxidation from metal surfaces through chemical action rather than abrasion. Mild acidic pH. 1:4 dilution. Non-abrasive. Safe on stainless steel, chrome, and treated aluminium. 5-litre institutional concentrate.

■ 1985 / 5 L

## OVERVIEW

Metal surface management in institutional environments involves a chemistry constraint that most cleaning programmes do not adequately address: the deposits that cause progressive discolouration, scale build-up, and surface degradation on stainless steel, chrome, and aluminium are mineral compounds — primarily calcium carbonate and magnesium silicate from hard water, and metal oxides from heat and atmospheric exposure. These compounds are chemically insoluble in neutral and alkaline cleaners.

## KEY FEATURES

### Mild acid chemistry

dissolves calcium carbonate, hard-water scale, and surface oxidation through targeted chemical reaction — no abrasive action, no micro-scratching, no polished surface damage.

### Non-abrasive formulation

preserves the passive chromium oxide layer on stainless steel that provides corrosion resistance — aggressive abrasive cleaning destroys this layer, accelerating long-term metal degradation.

### 1:4 dilution — 5L yields 20 litres

cost-effective for large-area metal maintenance across institutional kitchen equipment inventories and architectural metalwork.

### Compatible with FSSAI food safety requirements

rinse protocol after application on food-contact metal surfaces supports kitchen hygiene compliance in institutional catering environments.

### Institutional substrate range

stainless steel, chrome, and treated aluminium — the core metal surface types in healthcare, industrial, and educational catering facilities.

## PRODUCT SPECIFICATIONS

Active system	Mild inorganic acid + surfactant — mineral deposit dissolution
pH	Mild acidic (3.5–5.5)
Specific gravity	1.02–1.05 at 25°C
Formulation type	Aqueous concentrate
Appearance	Clear to slightly amber liquid
Fragrance	Neutral
Dilution	250 ml per litre of water (1:4)

## CAUTION & STORAGE

Mild acid — avoid prolonged skin contact and eye contact. Wear chemical-resistant gloves during application. In case of eye contact, rinse immediately with copious water for 15 minutes and seek medical advice. Do not use on copper, brass, or reactive metals without prior testing — acid contact with reactive metals may cause surface discolouration or damage. Do not mix with alkaline cleaners or bleach. Store in original sealed container below 30°C, away from metal storage equi

## CONTACT & DOCUMENTATION

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MSDS / TDS QR on label · available on request

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