

## Concentrated Cleaner Descaler

### PRODUCT DESCRIPTION

**AD-K4** is an acidic cleaner and brightener for the removal of milk stone, lime, scale and hard water deposits from kitchen equipment, utensils, coffee urns and dishwashing machines. It is formulated using mineral acid and wetting agents for effective and safe descaling applications.

### KEY PROPERTIES & BENEFITS

**WORKS FAST WITH DEEP CLEANING ACTION:** Saves time and effort, as it quickly removes milk stone, lime, scale and hard water deposits.

**VERY ECONOMICAL:** Yields a cost effective ready to use general descale after dilution with water.

**COLOUR AND ALPHANUMERIC:** Coded to prevent human application errors and to facilitate effective training guidelines.

### INTENDED USE

Use with confidence in industrial kitchens floors, walls, food processing equipment, utensils, coffee urns, coffee machines and dishwashing machines.

### PRODUCT APPLICATION

#### DOSAGE:

AD-K4 is designed to be diluted through ADVANCE HYGIENE dilution unit to produce a ready cleaner descale for direct cleaning applications, it is also to be diluted with 25 up to 60 parts of water for circulation applications in coffee machines and dishwashing machines.

**Dishwasher De-scaling:** Drain machine. Switch off chemical dosing units. Fill tank just below overflow level. Turn on heater. Add AD-K4 with a dilution of 1- 25 (3 liter per 75 liters of water). Run machine over 2-3 cycles until scale build up disappears. Repeat if necessary. Pour or spray directly on areas not reached by dishwashers' sprayers. Turn off machine. Drain solution. Fill with fresh water and run over two cycles to rinse. Drain machine. Scrape excess scale. Fill with water and turn on chemical dosing units to operate on.

**Coffee Urns De-scaling:** Empty tank. Fill with water just below strain line. Add AD-K4 with a dilution of 1-25 up to 1-50. Heat until solution boils. Allow to stand for 10 minutes. Repeat if necessary. Drain solution. Rinse thoroughly with fresh water. Wipe dry.

**General Surface Descaling:** Dilute product with 5 up to 15 parts of water. Apply product via sprayer, surface. Allow to work for 5-10 minutes. Scrub if necessary. Rinse with fresh water. Wipe dry.

**Coffee Machines De-scaling:** Fill water chamber with a solution of AD-K4 mixed with 10 up to 25 parts of water, Start a brew cycle. Midway through the brew cycle, turn off the coffee maker and let it sit for 30 minutes, then turn on the coffee maker and let the brew cycle finish to fill the carafe, pour out the AD-K4 solution and rinse the carafe, then rinse the coffee maker through filling the water chamber with just water and let the machine run. Repeat twice allowing your coffee maker to cool slightly between brews. This will get rid of any AD-K4 solution residues.

**Espresso machines de-scaling:** Fill water chamber with a solution of AD-K4 mixed with 10 up to 25 parts of water, pull the solution into your boiler by running about a cup of water out of your steam and/ or hot water wand. Close the steam knob and let it sit for 20 minutes then run about 1/4 of the reservoir out of the steam wand, 1/4 out of the brew head. Turn off the machine and allow to rest for another 20 minutes, flush the remaining water out of the steam wand and brew head, and finish by rinsing the reservoir twice with clean water through the machine, this will get rid of any AD-K4 solution residues.

### Physical & Chemical Properties

Appearance:	Green Liquid
pH (25°C, neat):	0.5 - 1.5
Density (25°C):	1.1 - 1.2 g/ml (H <sub>2</sub> O=1)
Odor:	Odourless
Rinsability:	Complete

