

# One Step Acid™

Phosphoric Acid Detergent for Food and Beverage Processing

**Product Number 1812**

One Step Acid™ is a unique liquid acid cleaner for spray and CIP cleaning tanks, lines and all stainless steel equipment. One Step Acid™ removes butterfat, milkstone, proteins and food soils from equipment in dairy and food processing plants. One Step Acid™ is designed as a replacement for traditional multi-step alkaline cleaning.

A new and unique cleaner, One Step Acid™ is a blend of acids designed to clean and de-scale processing equipment. One Step Acid™ takes the guesswork out of over dosing chlorinated cleaners to compensate for chlorine loss. Results show that One Step Acid™ performed equal to and or better than conventional chlorinated alkaline cleaners, when used on CIP systems.

As part of DeLaval Cleaning Solutions product line of cycle time reduction cleaners, One Step Acid™ is designed to replace traditional chlorinated CIP cleaners by offering the convenience of single phase cleaning thereby increasing the CIP capacity in your facilities. By eliminating an additional wash step, your food processing plant's time, water, and chemical use are minimized and cleaning capacity is maximized in a new and totally different fashion.

## Benefits

- Speeds up cleaning process
- Reduces and or eliminates acid cycle and associated rinses
- Water, energy, time, labor and chemical savings

## Features

- Unique blend of organic and inorganic acids
- Low foaming surfactants
- Single cycle cleaning
- No need for alkaline or chloralkaline step
- Prevents hard water and mineral deposits
- Does not contribute to Na or Cl discharge
- Lifts, breaks and removes organic soils
- Solubilizes minerals

## Properties

- Appearance ..... Clear, Colorless to Pale Yellow Liquid
- pH (1% w/w solution) ..... 1.8 – 2.4
- Total Acidity as H<sub>3</sub>PO<sub>4</sub>, % w/w..... 17.5 - 19.5 % w/w

## Directions for Use

### Method

Designed for soak, circulation and spray cleaning. After cleaning, post-rinse with potable water. Sanitize as require

### Concentration

0.5 to 4 oz/gal depending on the soil load.

**Temperature:** 90°F to 165° F for circulation cleaning.

**Cleaning Time:** As required. Surface should not become dry during cleaning

### Compatibility

One Step Acid is non corrosive to stainless steel. One Step Acid is not compatible with chlorine containing products (violent and dangerous reaction will occur).

**Consult your DeLaval Cleaning Solutions representative for questions on specific applications.**

## Safety Information

UTILIZE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS PER SDS. HANDLE AND STORE AS INDICATED ON PRODUCT LABEL.

### IF ON SKIN (or Hair)

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

### IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a **Poison Control Center** or doctor/physician.

### IF SWALLOWED

Rinse mouth. **Do not induce vomiting.**

### IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a **Poison Control Center** or doctor/physician.

### IN CASE OF FIRE

Use CO2, dry chemical, or foam for extinction.

**Consult your Safety Data Sheet for additional safety information**

For more information about this product or any of our other products and services please visit our website at [www.delavalcleaningsolutions.com](http://www.delavalcleaningsolutions.com) or contact us at 1-800-447-8370.



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