

ONE STEP ALKALI

Heavy-Duty, Free-Rinsing, Highly Alkaline Cleaner

Product Number 881783

Purpose and Use

One Step Alkali is a heavy-duty alkaline liquid cleaner containing a proprietary blend of detergent surfactants and cleaning agents designed to remove soils generated in high temperature processing equipment. This product is formulated to eliminate the need for acid washing after traditional caustic and alkaline wash routine. It has superior cleaning, rinsing and chelating properties for use in cleaning all high temperature processing equipment such as UHT units, dryers, evaporators, HTST systems, cheese processing equipment applications, cook kettles, fryers and ovens.

How One Step Alkali Works

The purpose of any CIP detergent is to break up, lift and remove soils. One Step Alkali is no different in theory, however, it uses a unique combination of high performance components in a synergistic way to combine and speed up the CIP cleaning process. One Step Alkali is proven effective. This low-foam detergent lifts and removes organic and proteinaceous soils while preventing and removing hard water scale. One Step Alkali is one component of DeLaval Cleaning Solutions' *Enhanced Products*. *These products are designed to increase efficiency and improve your cleaning and sanitation programs.*

Benefits

- Reduces and/or eliminates acid cycles and associated rinses
- Speeds up cleaning process - Enhances productivity and product throughput
- Water, energy, time, labor and chemical savings

Discussion

One Step Alkali is a way you can turn CIP cleaning time into additional processing time. This high performance product allows you to eliminate or greatly reduce the frequency of acid washes commonly associated with the cleaning of High Temperature equipment.

One Step Alkali is a single, stand alone detergent - not an additive. Designed to improve the cleaning efficiency of your High Temperature CIP equipment systems by combining the caustic and acid cycles into a single cleaning step. One Step Alkali is a high performance blend of caustic based builders designed to clean and control scale on processing equipment in a single cleaning cycle.

As part of DeLaval Cleaning Solutions product line of cycle time reduction cleaners, One Step Alkali is designed to replace traditional separate caustic and acid wash cycles by offering the convenience of single cycle cleaning in one detergent. By eliminating an additional wash step, your food plant processing time is maximized, where chemical, water, and effluent are minimized. Using One Step Alkali in your cleaning regimen can help to enhance your plants sustainability footprint.

Features

- KOH based High Alkaline Cleaner
- Proprietary blend of Low foaming surfactants & cleaning agents
- Superior cleaning, rinsing and chelating properties
- Wetting of soiled surfaces
- Emulsification and dispersion of solids
- Solubilization of insoluble solids
- Single cycle cleaning
- Lifts, breaks, and removes organics and proteinaceous soils
- Excellent in cleaning hard to remove burnt on soils
- Reduces hard water and mineral deposits

Directions for Use

Although One Step Alkali is formulated to eliminate the need for acid washing, certain cleaning situations may not allow indefinite cleaning with One Step Alkali alone; so always inspect equipment for cleanliness and follow One Step Alkali wash steps with a periodic acid wash as necessary. After cleaning, rinse with potable water. Sanitize as required.

Procedure

Circulation, soak, spray, COP and boil-out cleaning. After cleaning, post-rinse with potable water. Sanitize as required.

High Temperature Processing Equipment

Evaporators, dryers, HTST and UHT Equipment

Concentration

1 to 10 oz per gallon of water, depending on soil load and method of cleaning. After cleaning, rinse with potable water. Sanitize as required.

Temperature

150°F to 200°F

Boil Out, COP and Soak Cleaning of Fryers, Ovens and Cooking Kettles

Concentration

4 to 6 oz per gallon of water and mechanical agitation to clean equipment soils (fats, proteins, grease, oils burned or residues, etc.)

Temperature

150°F to 200°F

Contact your local DeLaval Cleaning Solutions sales representative to create a program specific to your needs and usages.

Safety Information

IF ON SKIN

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothes before reusing.

IF IN EYES

In case of contact, immediately flush with plenty of water for at least 15 minutes.

Get immediate medical attention.

IF SWALLOWED

Drink large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. **Get immediate medical attention.**

IF INHALED

Immediately move to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is difficult, give oxygen. **Get immediate medical attention.**

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 or contact us at 1-800-447-8370.

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