



# Terg-A-Zyme®

## Enzyme-Active Powdered Detergent

- Concentrated to save you money
- Biodegradable and readily disposable
- Replaces corrosive acids and hazardous solvents
- Protease enzyme removes proteinaceous soils, tissue, blood and body fluids
- Free rinsing to give you reliable results and no interfering residues
- Use to pass your cleaning validation tests for lab accreditation and plant inspection approval

**Used to clean:** Hospital instruments, dairy equipment, laboratory ware, reverse osmosis and ultrafiltration membranes and units, sampling apparatus, pharmaceutical apparatus, cosmetics manufacturing equipment, tubing, pipes, optical parts, process equipment, industrial parts, desalination plants, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis.

**Used to remove:** Soil, grit, grime, blood, tissue, grease, fats, oils, proteinaceous soils, dairy proteins, particulates, solvents and bioreactor residue.

**Surfaces cleaned:** Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

**Cleaning method:** Soak, brush, sponge, cloth, ultrasonic, flow through clean-in-place. Will foam—not for spray or machine use.

**Directions:** Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 grams per liter) in cold or warm water. If available, use warm water below 130° F (55° C). Clean by soak, circulate, wipe, or ultrasonic method. Follow manufacturer's directions for filter membrane cleaning. Not for spray machines, will foam. **RINSE THOROUGHLY**—preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized, or purified water. For food contact surfaces, rinse with potable water. Used on a wide range of glass, ceramic, plastic, and metal surfaces. Corrosion testing may be advisable.

## Chemical Description

TERG-A-ZYME consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, phosphates, carbonates, and protease enzyme. TERG-A-ZYME is anionic in nature. The protease enzyme in TERG-A-ZYME is bacillus licheniformis subtilisin carlsberg which may be deactivated by 300 ppm hypochlorite at 85 degrees F in seconds; 3.5 ppm hypochlorite at 100 degrees F for 2 min; exposure to pH below 4 for 30 min at 140 degrees F; or by heating to 175 degrees F for 10 min.

## Cleaning Validation Methods:

Test a parameter of rinse water before and after rinsing the cleaned surface, or test the clean surface. No significant change in the parameter indicates no detectable detergent residue. Parameters measured include: pH, conductivity, UV, TOC, HPLC, sodium concentration, phosphorus concentration, anionic detergent concentration using inexpensive detergent water testing kits, surface tension, and surface analysis. Call the Alconox fax information service at (914) 948-4040, press 3 and request Document #0906 for more information, or see [www.alconox.com](http://www.alconox.com).

## Health Safety Information:

**OSHA Hazardous Ingredients:** None

**RCRA Hazard Class:** Non-hazardous

**Flammability:** Non-flammable

**Latex Content:** None in detergent, packaging materials or adhesives.

**Oral Toxicity:** (LD<sub>50</sub> > 500 mg/kg) No ingredient defined as an oral toxicant by OSHA

**Eye Irritation:** Mild to Moderate eye irritant if not rinsed

**Inhalation Toxicity:** Non-irritating solution, powder a potential irritant

**VOC Content:** 0%

**Carcinogenicity:**

NTP = No IARC = No OSHA = No

All ingredients in TERG-A-ZYME are listed in TSCA inventory.

