

# 24-Hour Emergency Number (ChemTel) 888.255.3924 in U.S. cleaning@alconox.com

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# **TERGAZYME®**

## **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 provide reliable results and no interfering residues
- Use to pass 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. FDA certified.

**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 g per L) in cold or warm water. If available, use warm water below 130°F (55°C). Clean by soak, circulate, wipe, or ultrasonic method. Follow manufacturers 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. Material compatibility guidelines available on request.

<b>Convenient Sizes</b>	Alconox Cat. #	
Case 9 x 4 lb (9 x 1.8 kg) boxes	1304	AYA
25 lb (11 kg) carton	1325	
50 lb (22 kg) carton	1350	
100 lb (45 kg) drum	1301	
300 lb (136 kg) drum	1303	
250 x 1/2 oz box	1312	100 Table 1000
1 lb makes 13 gal (1 kg makes 1 cleaning solution	00L)	

TERGAZYME is available from leading laboratory, hospital, clinical and industrial suppliers. To find a distributor for Alconox, Inc. detergents, use the Locate Dealers search tool in the Support section of alconox. com. To request FREE samples, use the Get Samples form at alconox.com. Or call Alconox, Inc. at +914.948.4040, today.

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Physical Data	Typical Valu
pH of 1% Solution	9.
<b>Surface Tension 1% Sol</b>	n (dyne/cm) 3
Conductivity 1% Sol'n (r	nS/cm at 21 degrees C) 6.
Form	Powde
<b>Color</b> White and	cream colored flakes and brown speck
<b>Solubility in Water</b>	To 10% (w/w) at ambient temperatur
<b>Hard Water Effectivenes</b>	<b>s</b> Highly effective
Biodegradability	Yes, meets EC648/200
Foam Tendency	High foamin
<b>Shelf Life</b> 24 m	onths from end of month of manufactur
Fragrance Content	09
<b>Phosphate Content</b> (as pl	nosphorus) 7.5°
Flash Point (degrees F)	Non
Organic Carbon (% calcul	ated w/w) 119

## **Chemical Description**

TERGAZYME consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, phosphates, carbonates, and protease enzyme. TERGAZYME is anionic in nature. The protease enzyme in TERGAZYME 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**

To quantify trace levels of Alconox for cleaning validation purposes, use conductivity, UV, TOC, HPLC, or phosphorus detection. For details see the Cleaning Validation page in Support at alconox.com. For lab accreditation tests to show the detergent is rinsed away, see the Accreditation Residue Detection in the Support section of alconox.com.

### **Health Safety Information**

<b>OSHA Hazardous Ingredients</b>	<b>S</b> None	
RCRA Hazard Class	Nonhazardous	
<b>EPA Priority Pollutants</b>	None	
<b>DOT Hazard Class</b>	Nonhazardous	
Flammability	Nonflammable	
<b>Latex Content</b>	None in product or packaging.	
Irritation	Cat. 2 skin, Cat. 2A eye irritant	
Oral Toxicity	$LD_{50} > 5000$ mg/kg oral rat.	
Inhalation Toxicity	Solution: No, Powder dust: irritant	
VOC Content	0%	
<b>GMO Content</b>	None	
<b>BSE/TSE Source</b>	None	
2007/68/EC Annex IIIa Allergens		
REACH Art. 57 (SVHC)	None	
RoHS	No RoHS hazardous ingredients.	
Carcinogenicity	$\mathbf{NTP} = No \ \mathbf{IARC} = No \ \mathbf{OSHA} = No$	
Indgredients on TSCA Invent	<b>tory</b> Yes	
	ains no enzymes, optical brighteners, c fragrances, or preservative agents.	

#### **Precautions**

No special precautions other than good industrial hygiene and safety practices employed with any industrial chemical (see Directions). A Safety Data Sheet is available at alconox.com.

Contact Alconox, Inc. for purchase specifications. Information presented is typical. Not to be taken as specifications. Typical data is not a specification.

While the information in this report should not be considered to be a product warranty, we urge you to investigate, test and verify the suitability of Alconox, Inc. detergents for your specific application. We, of course, can not give permission to use, or recommend the use of, our detergents where they infringe patents. No representation or warranty is made as to the safety of products or materials mentioned under the Federal Food Additives Amendment of 1958.