



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

alconox.com

- distributors
- technical information
- free samples
- new developments
- white papers
- prices

| Physical Data  | Typical Value                                   |
|--|---|
| <b>pH of 1% Solution</b>                             | 9.5   |
| <b>Surface Tension 1% Sol'n</b> (dyne/cm)            | 32  |
| <b>Conductivity 1% Sol'n</b> (mS/cm at 21 degrees C) | 6.3   |
| <b>Form</b>  | Powder  |
| <b>Color</b>   | White and cream colored flakes and brown specks |
| <b>Solubility in Water</b>                           | To 10% (w/w) at ambient temperature             |
| <b>Hard Water Effectiveness</b>                      | Highly effective                                |
| <b>Biodegradability</b>                              | Yes, meets EC648/2004                           |
| <b>Foam Tendency</b>                                 | High foaming                                    |
| <b>Shelf Life</b>                                    | 24 months from end of month of manufacture      |
| <b>Fragrance Content</b>                             | 0%  |
| <b>Phosphate Content</b> (as phosphorus)             | 7.5%  |
| <b>Flash Point</b> (degrees F)                       | None  |
| <b>Organic Carbon</b> (% calculated w/w)             | 11%   |

### 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>      | None   |
| <b>RCRA Hazard Class</b>               | Nonhazardous   |
| <b>EPA Priority Pollutants</b>         | None   |
| <b>DOT Hazard Class</b>                | Nonhazardous   |
| <b>Flammability</b>                    | Nonflammable   |
| <b>Latex Content</b>                   | None in product or packaging.  |
| <b>Irritation</b>                      | Cat. 2 skin, Cat. 2A eye irritant  |
| <b>Oral Toxicity</b>                   | LD <sub>50</sub> > 5000 mg/kg oral rat.  |
| <b>Inhalation Toxicity</b>             | Solution: No, Powder dust: irritant  |
| <b>VOC Content</b>                     | 0%   |
| <b>GMO Content</b>                     | None   |
| <b>BSE/TSE Source</b>                  | None   |
| <b>2007/68/EC Annex IIIa Allergens</b> | None   |
| <b>REACH Art. 57 (SVHC)</b>            | None   |
| <b>RoHS</b>                            | No RoHS hazardous ingredients.   |
| <b>Carcinogenicity</b>                 | <b>NTP</b> = No <b>IARC</b> = No <b>OSHA</b> = No  |
| <b>Ingredients on TSCA Inventory</b>   | Yes  |
| <b>EC 907/2006</b>                     | Contains no enzymes, optical brighteners, perfumes, allergenic 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.