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## ALCONOX® Powdered Precision Cleaner

- Concentrated to save you money
- Biodegradable and readily disposable
- Penetrating wetting power to save you time
- Replaces corrosive acids and hazardous solvents
- Free rinsing to provide reliable results and no interfering residues
- For FDA cleaning validations and food contact surface cleaning

**Used to clean:** Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, pipes, radioactive contaminated articles, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, tanks and reactors.

**Used to remove:** Soils, grit, grime, buffing compound, slime, grease, oils, blood, tissue, salts, deposits, particulates, solvents, chemicals, radioisotopes, radioactive contaminations, silicon oils, mold release agents.

**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, immersion/recirculation cleaning 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, warm, or hot water. If available, use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe, or ultrasonic method. Not for spray machines: will foam.

For nonabrasive scouring, make paste. Use 2% solution to soak frozen stopcocks. To remove silver tarnish, soak in 1% solution in aluminum

container. 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.

Convenient Sizes	Alconox Cat. #
Case 9 x 4 lb (9 x 1.8 kg) boxes	1104
25 lb (11 kg) carton	1125
50 lb (22 kg) carton	1150
100 lb (45 kg) drum	1101
300 lb (136 kg) drum	1103
Case 12 box 50 x 1/2 oz (15 g)	1112
1 lb makes 13 gal (1 kg makes 100L) cleaning solution	



ALCONOX passes inhibitory residue test for water analysis and is FDA certified. ALCONOX 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](http://alconox.com). To request FREE samples, use the Get Samples form at [alconox.com](http://alconox.com). Or call Alconox Inc. at +914.948.4040, today.

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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> (dyne/cm at 21 degrees C)	7.0
<b>Form</b>	Powder
<b>Color</b>	White and cream colored flakes
<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)	7.3%
<b>Flash Point</b> (degrees F)	None
<b>Organic Carbon</b> (% calculated w/w)	11%

### Chemical Description

Alconox consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, alcohol sulfate, phosphates, carbonates. Alconox contains anionic surfactants.

### Cleaning Validation and Residue Detection

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](http://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](http://alconox.com).

### Health and 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

Avoid contact with skin, eyes and clothing. Do not take internally. In case of contact immediately flush skin with plenty of water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention immediately. A Safety Data Sheet is available at [alconox.com](http://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.