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ALCONOX
Critical Cleaning Experts

24-Hour Emergency Number
(VelocityEHS) 1-800-255-3924 in U.S.

cleaning@alconox.com

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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 – 2% solution (3 – 5 Tbsp/gal,1 1/4 – 2 1/2 oz/gal or 10 – 20 ml/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) jars	1104
25 lb (11 kg) box	1125
50 lb (22 kg) box	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, LLC detergents, use the Locate Dealers search tool at alconox.com. To request samples, fill out our request form at alconox.com.

AXTB.5

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Physical Data	Typical Value
pH of 1% Solution	9.5
Surface Tension 1% Sol'n (dyne/cm)	32
Conductivity 1% Sol'n (mS/cm at 21 degrees C)	7.0
Form	Powder
Color	White and cream colored flakes
Solubility in Water	To 10% (w/w) at ambient temperature
Hard Water Effectiveness	Highly effective
Biodegradability	Yes, meets EC648/2004
Foam Tendency	High foaming
Shelf Life*	42 months from end of month of manufacture
Fragrance Content	0%
Phosphate Content (as phosphorus)	16.9%
Flash Point (degrees F)	None
Organic Carbon (% 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. For lab accreditation tests to show the detergent is rinsed away, see the Accreditation Residue Detection in the Support section of alconox.com.

* Shelf Life for Alconox® Powdered Precision Cleaner Dispenser Pack 1112 and 1112-1 is 48 months from end of month of manufacture.

Health and Safety Information	
OSHA Hazardous Ingredients	None
RCRA Hazard Class	Nonhazardous
EPA Priority Pollutants	None
DOT Hazard Class	Nonhazardous
Flammability	Nonflammable
Latex Content	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%
GMO Content	None
BSE/TSE Source	None
2007/68/EC Annex IIIa Allergens	None
REACH Art. 57 (SVHC)	None
RoHS	No RoHS hazardous ingredients.
Carcinogenicity	**NTP** = No **IARC** = No **OSHA** = No
Indgredients on TSCA Inventory	Yes
EC 907/2006	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.

Contact Alconox, LLC 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, LLC 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.

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