

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

cleaning@alconox.com

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DETONOX® Ultimate Precision Cleaner

- Concentrated to save you money
- Exceptional cosmetic and pharmaceutical polymer, cream and lotion removal
- Non-caustic for greater worker safety and greater material compatibility
- Free rinsing to provide reliable results and no interfering residues

Used to clean: Biopharmaceutical and cosmetics manufacturing equipment, precision manufacturing equipment, distillation equipment, glassware and parts contaminated with botanical resins. Laboratory ware, industrial parts, pipes, tanks, boilers, reactors, boiling flasks, vacuum equipment and parts heavily contaminated with grease, oil and other challenging residues.

Used to remove: Cosmetic bases and formulations, organics, grease, tars, resins, waxes, fats, oils, titanium and zinc oxides, ointments and lotions.

Surfaces cleaned: Recommended for glass, stainless steel, PTFE, ceramic, cement and solvent resistant plastics and metals. Corrosion testing is advisable.

Cleaning method: Soak, circulate under immersions, ultrasonic cleaners, and manual cleaning. Not for spray machines – will foam.

Directions: Make a fresh 1–3% solution (1 1/4–3 3/4 oz per gal, or 10–30 ml per L) in cold, warm or hot water. If available, use very hot water to clean cosmetic residues. For difficult soils, raise water temperature and use more detergent. Hot solutions are not always

advisable for Titanium dioxide or Zinc Oxide residues. Not for spray machines: will foam. RINSE THOROUGHLY—preferably with running water. For critical cleaning, do final or all rinsing in purified water.

Convenient Sizes	Alconox Cat. #
Case of 4 x 1 gal (4 x 3.8L)	2301
5 gal (19 L) jerrycan	2305
55 gal (208L) drum	2355
1 gal makes 100 gal (1 L makes 100L) solution	



DETONOX is FDA certified. DETONOX is available from leading laboratory, hospital, clinical and industrial suppliers. To find a distributor for Alconox Inc. detergents, use the Locate Dealers search tool at alconox.com. To request samples, use the Order Samples form at alconox.com. Or call Alconox Inc. at +914.948.4040, today.

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Physical Data	Typical Value
pH (1%)	10
Surface Tension 1% Sol'n (dyne/cm)	32
Conductivity 1% Sol'n (mS/cm at 21 degrees C)	0.7
Form	Liquid
Color	Pale yellow
Solubility in Water	Completely soluble in all proportions
Hard Water Effectiveness	Highly effective
Biodegradability	Yes, meets EC648/2004
Foam Tendency	High foaming
Shelf Life	36 months from end of month of manufacture
Fragrance and Dye Content	0%
Phosphate Content (as phosphorus)	4.1%
Flash Point (degrees F)	None
Organic Carbon (% calculated w/w)	19%
Density (g/mL – lb/gal)	9.0

Chemical Description

Detonox contains anionic and nonionic surfactants with wetting agents and emulsifiers with phosphate chelating and sequestering agents.

Cleaning Validation and Residue Detection

To quantify trace levels of Detonox for cleaning validation purposes, use conductivity, UV, TOC, HPLC or phosphate analysis. 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 and Safety Information

OSHA Hazardous Ingredients	None
RCRA Hazard Class	Nonhazardous
EPA Priority Pollutants	None
DOT Hazard Class	Not regulated
Flammability	Nonflammable
Latex Content	None in product or packaging.
Irritation	Cat. 2 skin, Cat. 2A eye irritant
Oral Toxicity	LD50 > 5000 mg/kg oral rat.
Inhalation Toxicity	Nonirritating
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
Ingredients 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 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.

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