ALCONOX

Critical-cleaning detergents for laboratory, healthcare and industrial applications

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24 Hour Emergency Number (CHEM-TEL) (800) 255-3924 in US or ++813-248-0513

(e-mail) cleaning@alconox.com

(URL) http://www.alconox.com

- **distributors**
- **technical information**
- **free samples**
- **new developments**



Liquinox®

Critical-Cleaning Liquid Detergent

- Concentrated to save you money
- Replaces corrosive acids and hazardous solvents
- Phosphate free, biodegradable and readily disposable
- Free rinsing to give you reliable results and no interfering residues
- Use to pass your cleaning validation tests for lab accreditation and plant inspection approval

Used to clean: Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, wine glasses, clean rooms, medical devices, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, pipes, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. Used for phosphate sensitive analysis ware. FDA certified.

Used to remove: Soil, grit, grime, slime, grease, oils, blood, tissue, particulates, deposits, chemical and solvents.

Surfaces cleaned: Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, cement and fiber glass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Used for art restoration. 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 ml per liter) 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. 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.

Available in convenient sizes:	**Alconox Catalog #**
Case 12 x 1 quarts	**1232**
Case of 4 x 1 gallons	**1201**
15 gallon drum	**1215**
30 gallon drum	**1230**
55 gallon drum	**1255**
1 gallon of concentrate makes 100 gallons of cleaning solution	



Liquinox is available from leading laboratory, hospital, clinical and industrial suppliers. To find a distributor for Alconox, Inc. detergents, visit “Find Dealer” at the website. To request FREE samples, visit Sample Request at www .alconox.com, write or call Alconox, Inc. today

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PHYSICAL DATA	Typical Value
pH as is	8.5
Specific gravity (g/ml)	1.07
Density (lbs./gal.)	8.9
Vapor pressure (mm Hg)	10.5
Flash Point (degrees F)	None
Phosphate Content (as Phosphorus)	0%
Fragrance and Dye Content	0%
Color:	Pale Yellow
Form:	Liquid
Solubility in Water:	Completely soluble in all preparations
Hard Water Effectiveness:	Highly Effective
Biodegradability:	Biodegradable
Foam Tendency:	High Foaming
Shelf Life:	Two years from month of manufacture

Chemical Description

Liquinox consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, sodium xylene sulfonate, and ethoxylated alcohol. Liquinox is anionic in nature.

Cleaning Validation Methods:

Test a parameter of rinse water before and after rinsing the cleaned surface, or test the clean surface. No significant change in the parameter indicates no detectable residue. Parameters measured include: pH, conductivity, UV, TOC, HPLC, sodium concentration, phosphorus concentration, anionic surfactant concentration using inexpensive detergent water testing kits, surface tension, and surface analysis. For details see the Pharmaceutical Cleaning Validation References at www.alconox.com

Health Safety Information:

OSHA Hazardous Ingredients: None
RCRA Hazard Class: Non-hazardous
RoHS: No RoHS hazardous ingredients
EPA Priority Pollutants: None
DOT Hazard Class: Non-hazardous
Flammability: Non-flammable
Latex Content: None in detergent, packaging materials or adhesives.
Oral Toxicity: LD_{50} >5000 mg/kg (Rat, Oral)
Eye Irritation: Mild to Moderate eye irritant if not rinsed
Inhalation Toxicity: Non-irritating
VOC Content: 0%
Carcinogenicity: NTP = No **IARC** = No **OSHA** = No
All ingredients in Liquinox are listed in TSCA inventory.
Precautions:
No special precautions other than good industrial hygiene and safety practices employed with any industrial chemical (see Directions). A Material Safety Data Sheet is available at www.alconox.com or by calling 914-948-4040 and asking for the SDS. prompts. The Liquinox catalog number starts with 12.
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 detergents for your specific application. We, of course, cannot 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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