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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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LIQUINOX®

Critical Cleaning Liquid Detergent

- Concentrated to save you money
- Replaces corrosive acids and hazardous solvents
- Phosphate-free and biodegradable
- Free rinsing to provide reliable results and no interfering residues
- For FDA cleaning validations and food contact surface cleaning
- Disposal in accordance with applicable local regulations

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 and cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, pipes, tanks and reactors. Used for phosphate sensitive analysis ware.

Used to remove: Soils, grit, grime, slime, grease, oils, blood, tissue, particulates, deposits, chemicals 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, immersion/recirculation cleaning in place. Will foam—not for spray or machine use.

Directions: Make a fresh 1 – 2% solution (3 – 5 Tbsp/US gal, 1 1/4 – 2 1/2 oz/US 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. 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 12 x 1 qt (12 x 0.95L)	1232
Case of 4 x 1 gal (4 x 3.8L)	1201
5 gal (19L) jerrycan	1205
15 gal (57L) drum	1215
55 gal (208L) drum	1255
1 gal of concentrate makes 100 gal (1 L makes 100L) solution	

LIQUINOX passes inhibitory residue test for water analysis and is FDA registered. LIQUINOX 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.

LQTB.5

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LIQUINOX Typical Data	Typical Value
pH (as is)	8.5
Surface Tension 1% Sol'n (dyn/cm)	29
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	42 months from end of month of manufacture
Fragrance and Dye Content	0%
Inorganic Phosphate Content	None
Flash Point (degrees F)	None
Organic Carbon (% calculated w/w)	19%
Density (lb/gal)	8.9

Chemical Description

Liquinox consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, sodium xylene sulfonate, and ethoxylated alcohol. Liquinox contains a mixture of nonionic and anionic surfactants.

Cleaning Validation and Residue Detection

To quantify trace levels of Liquinox for cleaning validation purposes, use conductivity, UV, TOC, or HPLC. For details see the Cleaning Validation page at alconox.com. For lab accreditation tests to show the detergent is rinsed away, see the Accreditation Residue Detection page at alconox.com.

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	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
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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