

Critical-cleaning detergents for laboratory, healthcare and industrial applications

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24 Hour Emergency Number
(CHEM-TEL) (800) 255-3924 in U.S.

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

- distributors
- technical information
- free samples
- new developments



Luminox®

Low-Foaming Neutral Cleaner

- Low foaming for use in mechanical and spray washers
- Neutral pH for non-corrosive cleaning, safe handling and easy waste disposal
- No chelation or alkalinity waste treatment problems
- Concentrated for economical use
- Free rinsing to eliminate interfering residues
- Biodegradable and phosphate free

Used to Clean: Aluminum and soft metal surfaces, medical instruments in aluminum trays, alkaline sensitive lab and glassware, sensitive aerospace materials, pharmaceutical process equipment, medical devices, electronic components. FDA certified.

Used to Remove: Oils, dirt, grime, adhesives and uncured epoxy, particulates, residues, fluxes, chemical solvents, machining oils.

Surfaces Cleaned: Corrosion inhibited formulation recommended for glass, ferrous metals, non-ferrous metals, aluminum, copper, zinc, and other soft metals, ceramic, plastic, circuit boards and electronic components.

Cleaning Method: Soak tanks, manual cleaning, ultrasonic tanks, mechanical washers, washer/sanitizers, spray washers, CIP systems.

Directions for Use: For manual, soak and ultrasonic use, make a 3-5% solution (4-6 oz per gal. or 30-50 ml per liter) in warm or hot water. Protective gloves and eyewear are recommended. For spray machines, add detergent at the hot water wash cycle to make a 2% solution (2 1/2 oz. per gal. or 20 ml per liter). For difficult soils raise water temperature and use more detergent. **RINSE THOROUGHLY**—preferably with running water. For critical cleaning do final or all rinsing in distilled, deionized or purified water. Corrosion testing may be advisable.

Available in Convenient Sizes:

	Alconox Cat. #
Case 4 x 1 Gallons	1901
15 Gal. Drum	1915
30 Gal. Drum	1930
55 Gal. Drum	1955
1 gal. makes 20-50 gallons of cleaning solution	



Luminox 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)	6.6
pH (1% to 5%)	7.5
Specific Gravity (g/ml)	1.050
Density (lbs./gal.)	8.75
Surface Tension (dyne/cm)	35.0
Flash Point (degrees F, cleveland open cup)	216
Phosphate Content (as Phosphorous)	0%
Chelate Content	0%
Organic Carbon (% calculated w/w)	20-30%
Fragrance Content	0%
Color: Clear	
Form: Liquid	
Solubility in water: Completely soluble	
Foam tendency: Low foaming	
Biodegradability: Biodegradable	
Shelf Life: Two years from the date of manufacture	

Chemical Description

Luminox is an aqueous, low-ionic content, phosphate-free blend of organic solvents, surfactants, and rinse aids.

Cleaning Validation Methods:

Test a parameter of rinse water before and after rinsing the cleaned surface. No significant change in the parameter indicates no detectable residue. Parameters measured include: pH, spectrographic methods, surface tension, and surface analysis. For details see the Pharmaceutical Cleaning Validation References at www.alconox.com

Health Safety Information:

RCRA Hazard Class: Non-hazardous

EPA Priority Pollutants: None

DOT Hazard Class: Non-hazardous

Flammability: Non-flammable

Latex Content: None in detergent, packaging materials or adhesives.

Oral Toxicity: LD₅₀ > 5000 mg/kg oral rat. No ingredient defined as an oral toxicant by OSHA

Eye Irritation: Potentially serious eye irritant

VOC Content: Less than 50 g/liter even at 10% use concentration

Carcinogenicity:

NTP = No IARC = No OSHA = No

All ingredients in Luminox 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 fax-on-demand at 914-948-4040 and following the prompts. Use fax document #0319.

Contact Alconox, Inc. for purchase 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, 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.