

24-Hour Emergency Number
(ChemTel) 888.255.3924 in U.S.
cleaning@alconox.com

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KEYLAJET®

Low-Foaming Chelating Alkaline Detergent

- Concentrated to save you money
- Corrosion inhibited formula
- Caustic liquid detergent with chelators
- Free rinsing to provide reliable results and no interfering residues
- For tough-to-clean residues on hard surfaces

Used to clean: Manufacturing equipment, cosmetics residues, injection molds, corroded metal parts, automotive, aerospace, and oil and gas maintenance and repair operations such as filters, fins, exchangers, pump heads, steel engine blocks, exhaust systems, and more; metal castings, forgings and stampings, industrial parts, pipes, tanks and reactors. Use to clean steel prior to passivation.

Used to remove: Hard to clean soils, grit, grime, slime, grease, buffing compounds, oils, particulates, deposits, chemicals and solvents, mold releases, metal oxides, and many more.

Surfaces cleaned: Corrosion inhibited formulation recommended for hard metals, steels, stainless steel, porcelain, ceramic, rigid plastics, cement, and elastomers. Do not use on soft metals such as copper, aluminum, zinc and magnesium.

Cleaning method: Labware washers, dishwashers, washer-sterilizers, washer-sanitizers, cart washers, spray washers, electrocleaning, ultrasonic cleaners, clean-in-place and manual cleaning. Please ensure gasket compatibility.

Directions: Make a fresh 1% solution (2 1/2 tbsp per gal, 1 1/4 oz per gal, or 10 ml per L) in warm or hot water. For difficult soils or to remove metal oxides, raise water temperature and use more detergent, up to 10% by volume. Clean by soak, circulate, wipe, spray, or ultrasonic method. 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 for high-carbon steels, and may require rust preventative application post-cleaning. Material compatibility guidelines available on request.

Convenient Sizes	Alconox Cat. #
5 gal jerrycan (19L)	2405
15 gal drum (57L) special order	2415
55 gal drum (208L)	2455
265 gal tote (1000L) special order	2465
1 gal makes 100 gal (1 L makes 100L) solution	



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

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Physical Data	Typical Value
pH (as is)	13+
Surface Tension 1% Sol'n (dyne/cm)	33
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	Low foaming
Shelf Life	24 months from end of month of manufacture
Fragrance and Dye Content	0%
Phosphate Content (as phosphorus)	1%
Flash Point (degrees F)	None
Organic Carbon (% calculated w/w)	2.8%
Density (lb/gal)	10.8

Chemical Description

Keylajet consists primarily of a homogeneous blend of potassium hydroxide, sodium hydroxide, phosphate, anionic surfactants, and chelators.

Cleaning Validation and Residue Detection

To quantify trace levels of Keylajet for cleaning validation purposes, use conductivity, 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.

Health and Safety Information

OSHA Hazardous Ingredients	None
RCRA Hazard Class	Nonhazardous
EPA Priority Pollutants	None
DOT Hazard Class	UN1760, Corrosive liquid, N.O.S. (Contains sodium hydroxide and potassium hydroxide), 8, PGI
Flammability	Nonflammable
Latex Content	None in product or packaging.
Irritation	Cat. 2 skin, Cat. 2A eye irritant
Oral Toxicity	LD ₅₀ > 2000 mg/kg oral rat.
Inhalation Toxicity	Nonirritating. Mists would be irritating.
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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