

24-Hour Emergency Number  
(ChemTel) 888.255.3924 in U.S.

[cleaning@alconox.com](mailto:cleaning@alconox.com)

[alconox.com](http://alconox.com)

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## DETERGENT 8<sup>®</sup>

### Low-Foaming Ion-Free Detergent

- Replace solvent cleaning
- Concentrated to save you money
- Biodegradable and readily disposable
- Penetrating wetting power to save you time
- Free rinsing to provide reliable results and no interfering residues
- Contains no phosphate, sulfur, chlorine, metal cation, halide, borate, silicate, carbonate, chlorocarbon, fluorocarbon or chelating ingredients

**Used to clean:** Circuit boards, electronic parts, phosphate sensitive labware, nuclear reactor cavities, delicate industrial parts and nuclear contaminated equipment.

**Used to remove:** Resins, rosins, oils, dirt, grime, particulates, residues, fluxes, chemicals and solvents.

**Surfaces cleaned:** Corrosion inhibited formulation recommended for glass, metal, stainless steel, ceramic, plastic, and circuit boards. Can be used, with prompt rinsing, on soft metals such as copper, aluminum, silver, and gold. Aluminum can darken and mixed metal galvanic reactions can occur. Corrosion testing is advisable.

**Cleaning method:** Soak, brush, sponge, cloth, ultrasonic, labware washer, spray washer, pressure washer and clean-in-place.

**Directions:** For manual, soak and ultrasonic use, make a 3–5% solution (4–6 oz per gal, or 30–50 ml per L) in warm or hot water. An oily, milky solution is normal. 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. Material compatibility guidelines available on request.

Convenient Sizes	Alconox Cat. #
Case of 4 x 1 gal (4 x 3.8L)	1701
15 gal (57L) drum	1715
55 gal (208L) drum	1755
1 gal makes 20–50 gal (1L makes 20–50L) solution	



DETERGENT 8 is FDA certified. DETERGENT 8 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](http://alconox.com). To request FREE samples, use the Get Samples form at [alconox.com](http://alconox.com). Or call Alconox Inc. at +914.948.4040, today.

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Physical Data	Typical Value
<b>pH (1%)</b>	11.0
<b>Surface Tension 1% Sol'n</b> (dyne/cm)	32
<b>Conductivity 1% Sol'n</b> (mS/cm at 21 degrees C)	0.7
<b>Form</b>	Liquid
<b>Color</b>	Clear
<b>Solubility in Water</b>	Completely soluble in all proportions
<b>Hard Water Effectiveness</b>	Highly effective
<b>Biodegradability</b>	Yes, meets EC648/2004
<b>Foam Tendency</b>	Low foaming
<b>Shelf Life</b>	24 months from end of month of manufacture
<b>Fragrance and Dye Content</b>	0%
<b>Phosphate Content</b> (as phosphorus)	0%
<b>Flash Point</b> (degrees F)	201
<b>Organic Carbon</b> (% calculated w/w)	35–40%
<b>Density</b> (lb/gal)	8.25

### Chemical Description

Detergent 8 is an ion free, phosphate free, homogeneous blend of an alkanolamine, glycol ethers and an alkoxylated fatty alcohol. Contains no chelating agents, halides or conductive metal cations such as sodium. Detergent 8 contains non-ionic surfactants.

### Cleaning Validation and Residue Detection

To quantify trace levels of Detergent 8 for cleaning validation purposes, 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 spectrographic methods. For details, see the Cleaning Validation page in the Support section at [alconox.com](http://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](http://alconox.com).

### Health and Safety Information

<b>OSHA Hazardous Ingredients</b>	None
<b>RCRA Hazard Class</b>	Nonhazardous
<b>EPA Priority Pollutants</b>	None
<b>DOT Hazard Class</b>	UN1760, Corrosive Liquids, N.O.S. (Monoisopropanolamine Solution), 8, PG III
<b>Flammability</b>	Nonflammable
<b>Latex Content</b>	None in product or packaging.
<b>Irritation</b>	Cat. 2 skin, Cat. 2A eye irritant
<b>Oral Toxicity</b>	LD <sub>50</sub> > 5000 mg/kg oral rat.
<b>Inhalation Toxicity</b>	Nonirritating
<b>VOC Content</b>	70% as is
<b>GMO Content</b>	None
<b>BSE/TSE Source</b>	None
<b>2007/68/EC Annex IIIa Allergens</b>	None
<b>REACH Art. 57 (SVHC)</b>	None
<b>RoHS</b>	No RoHS hazardous ingredients.
<b>Carcinogenicity</b>	<b>NTP</b> = No <b>IARC</b> = No <b>OSHA</b> = No
<b>Ingredients on TSCA Inventory</b>	Yes
<b>EC 907/2006</b>	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](http://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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