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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 give you 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 during outage. FDA certified.

**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, ware washer, spray washer, pressure washer and flow through 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 liter) 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. Used on a range of glass, ceramic, plastic and metal surfaces. Corrosion testing is advisable.

### Available in Convenient Sizes:

	Alconox Cat. #
Case 4 x 1 Gallons	1701
15 Gal. Drum	1715
30 Gal. Drum	1730
55 Gal. Drum	1755
1 gal. makes 20-50 gal. cleaning solution	



Detergent 8 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](http://www.alconox.com), write or call Alconox, Inc. today.

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## PHYSICAL DATA

	TYPICAL VALUE
pH of 1% solution	11.0
Specific gravity (g/ml)	.99
Density (lbs./gal.)	8.25
Flash Point (degrees F, cleveland open cup)	201
Phosphate Content (as Phosphorus)	0%
Organic Carbon (% calculated w/w)	35-40%
Fragrance Content	0%
Surface Tension 1% Sol'n (Dyne/cm)	32
Color: Clear	
Form: Liquid	
Solubility in Water: Completely soluble	
Hard Water Effectiveness: Highly Effective	
Biodegradability: Biodegradable	
Foam Tendency: Low Foaming	
Shelf Life: Two years from the date of manufacture	

## Chemical Description

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

## 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, spectrographic methods, surface tension, and surface analysis. For details see the Pharmaceutical Cleaning Validation References at [www.alconox.com](http://www.alconox.com)

## Health Safety Information:

**RCRA Hazard Class:** Non-hazardous

**EPA Priority Pollutants:** None

**DOT Hazard Class:** UN 1760, Corrosive Liquid, n.o.s. (contains isopropanolamine), 8, PG II

**Flammability:** Non-flammable

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

**Oral Toxicity:** LD<sub>50</sub> > 500 mg/kg oral rat. No ingredient defined as an oral toxicant by OSHA

**Eye Irritation:** Potentially serious eye irritant

**VOC Content:** 70% as is

**Carcinogenicity:**

NTP = No IARC = No OSHA = No

All ingredients in Detergent 8 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](http://www.alconox.com) or by calling fax-on-demand at 914-948-4040 and following the prompts. Use fax document #0317.

Contact Alconox, Inc. for purchase specifications. Information presented is typical. 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.