

Detergent 8

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.

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, write or call Alconox, Inc. today.

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 call Ere Inc. at 1-888-287-3732



Convenient sizes
Case 4 x 1 Gallons
15 Gal. Drum
30 Gal. Drum
55 Gal. Drum
1 gal. makes 20-50 gal. cleaning solution

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	LD50 > 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.

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

Precautions

No special precautions other than good industrial hygiene and safety practices employed with any industrial chemical (see Directions).

Contact Ere 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.