

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

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## **SOLUJET®** Low-Foaming Phosphate-Free Liquid Detergent

- Concentrated to save you money
- Phosphate-free, biodegradable and readily disposable
- Low-foaming high wetting detergent for maximum performance
- Free rinsing to provide reliable results and no interfering residues
- Ideal for CIP cleaning and floor-standing lab washing machines

**Used to clean:** Pharmaceutical process equipment, water testing labware, phosphate-sensitive lab equipment, hospital instruments, optical components, pharmaceutical apparatus, cosmetics manufacturing equipment, tissue culture ware, plate glass, metal castings, forgings and stampings, industrial parts, animal cages, electronic components, tanks and reactors. FDA certified.

**Used to remove:** Soil, radioisotopes, radioactivity, organics, grit, grime, slime, grease, tars, resins, fats, oils, blood, tissue, particulates, inorganic residues, chemical and solvents.

**Surfaces cleaned:** Recommended for glass, stainless steel, PTFE, ceramic, cement and alkali-resistant plastics and metals such as stainless steel. SOLUJET is inhibited for aluminum. Corrosion testing is advisable. Clean-in-place, laboratory warewashers, dishwashers, washer-sterilizers, washer-sanitizers, cart washers, spray washers, electrocleaning, ultrasonic cleaners, and manual cleaning if proper skin and eye protection is used.

**Directions:** Follow machine manufacturers directions. Not intended for powder detergent receptacles. If available, use liquid detergent reservoir, connecting tubes or metering pump. In general, use 1/2–1% solution in hot water wash cycle (1 1/4–2 1/2 tbsp per gal, 3/4–1 1/4 oz per gal, or 5–10 ml per L). Most machines need 2 1/2 oz added at a typical 2 gal wash cycle. For soak, circulate or ultrasonic use, make

a 1% solution in cold, warm or hot water. For difficult soils, raise water temperature and use more detergent. Wear protective gloves and eyewear when handling. 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 alkali-resistant glass, ceramic, plastic and metal surfaces. Corrosion testing is advisable. Material compatibility guidelines available on request.

### **Convenient Sizes      Alconox Cat. #**

Case of 4 x 1 gal (4 x 3.8L)	2101
5 gal pail	2105
15 gal (57L) drum	2115
55 gal (208L) drum	2155
1 gal makes 200 gal (1 L makes 200L) solution	

SOLUJET 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 (1%)	12.2
Surface Tension 1% Sol'n (dyn/cm)	33
Conductivity 1% Sol'n (mS/cm at 21 deg C)	0.7
Form	Liquid
Color	Clear
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)	0%
Flash Point (degrees F)	None
Organic Carbon (% calculated w/w)	5%
Density (lb/gal)	10.9

### Chemical Description

SOLUJET is a highly alkaline detergent containing potassium hydroxide, silicate of soda, and surfactants.

### Cleaning Validation Methods

Parameters measured include: conductivity, resistance, spectrographic methods, and total TOC. For details, see the Cleaning Validation page in the Support section at alconox.com.

### Health Safety Information

OSHA Hazardous Ingredients	None
RCRA Hazard Class	Nonhazardous
EPA Priority Pollutants	None
DOT Hazard Class	UN 1760, Corrosive Liquid, n.o.s. (contains potassium hydroxide), 8, PG II
Flammability	Nonflammable
Latex Content	None in product or packaging.
Irritation	Cat. 2 skin, Cat. 2A eye irritant
Oral Toxicity	LD <sub>50</sub> > 500 mg/kg oral rat.
Inhalation Toxicity	Nonirritating
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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