

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

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

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

- distributors
- technical information
- free samples
- new developments
- white papers
- prices



## CITRAJET® Low-Foaming Liquid Acid Cleaner

- Ideal for use as acid wash or rinse
- Concentrated to save you money
- Phosphate-free, biodegradable and readily disposable
- Low-foaming acid cleaner and rinse for high performance results from your cleaning machinery
- For FDA cleaning validations and food contact surface cleaning
- Combines acid and detergent ingredients to remove metal oxides, salts and inorganic residues
- Powerful enough to be used for passivation of stainless steel

**Used to clean:** Laboratory ware, sampling apparatus, dairy equipment optical parts, electronic components, pharmaceutical and cosmetics manufacturing equipment, metal forgings, stampings and castings, industrial parts, pipes, tanks, boilers and reactors.

**Used to remove:** Scale, metal oxides, metal complexes, trace inorganics, milkstone, soils, grit, buffing compound, grime, grease, fats, oils, particulates, amphoteric peptides, deposits, chemicals and solvents.

**Surfaces cleaned:** Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, bronze, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

**Cleaning method:** Labware washers, dishwashers, washer-sterilizers, washer-sanitizers, cart washers, spray washers, electrocleaning, ultrasonic cleaners clean-in-place and manual cleaning if proper skin and eye protection is used.

**Directions:** Make a fresh 1–2% solution (3–5 tbsp per gal, 1 1/4–2 1/2 oz per gal, or 10–20 ml per L) in cold, warm or hot water. If available, use hot water. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe or ultrasonic method. Wear protective gloves and eyewear. RINSE THOROUGHLY — preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized or purified water. For food contact surfaces, rinse with potable

water. Used on a wide range of glass, ceramic, plastic and metal surfaces. Corrosion testing may be advisable. Material compatibility guidelines available on request.

For directions for passivation of stainless steel, search “Passivation” at [alconox.com](http://alconox.com), or contact Alconox Inc. for the passivation technical bulletin.

Convenient Sizes	Alconox Cat. #
Case of 4 x 1 gal (4 x 3.8L)	2001
5 gal (19L) jerrycan	2005
15 gal (57L) drum	2015
55 gal (208L) drum	2055
1 gal makes 50 gal (1 L makes 50L) solution	



CITRAJET passes inhibitory residue test for water analysis and is FDA certified. CITRAJET 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.

CJTB.3

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

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

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

- distributors
- technical information
- free samples
- new developments
- white papers
- prices

Physical Data	Typical Value
<b>pH</b> (as is)	2.5
<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>	Pale yellow
<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- to Non-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)	None
<b>Organic Carbon</b> (% calculated w/w)	14%
<b>Density</b> (lb/gal)	9.15

### Chemical Description

Citrajel contains a blend of organic acids and a mixture of nonionic and anionic surfactants. Citrajel is phosphate free.

### Cleaning Validation and Residue Detection

To quantify trace levels of Citrajel for cleaning validation purposes, use, UV, TOC, or HPLC. For details see the Cleaning Validation page in Support 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>	Nonhazardous
<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>	0%
<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 = No IARC = No OSHA = No</b>
<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.

CJT.B.3