

Citrajel®

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
- Use to pass your cleaning validation tests for lab accreditation and plant inspection approval
- Combines acid and detergent ingredients to remove metal oxides, salts and inorganic residues

Used to clean

Laboratory ware, sampling apparatus, dairy equipment optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal forgings, stampings and castings, industrial parts, pipes, tanks, boilers and reactors. USDA compliant for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. FDA certified.

Used to remove

Scale, metal oxides, metal complexes, trace inorganics, milkstone, soil, grit, buffing compound, grime, grease, fats, oils, particulates, amphoteric peptides, deposits, chemical and solvents.s.

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

Laboratory warewashers, dishwashers, washer-sterilizers, washer-sanitizers, cart washers, spray washers, electrocleaning, ultrasonic cleaners flow through 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 liter) 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.

Citrajel is available from leading laboratory, hospital, clinical and industrial suppliers.

Chemical Description

Citranox contains a blend of organic acids, anionic and non-ionic surfactants and alkanolamines. Citranox is phosphate free.



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

Chemical Description

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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, conductivity, total organic carbon, surface tension, and surface analysis.

To get a bulletin on cleaning validation method references call ERE Inc. at 1-888-287-3732.

Health Safety Information

OSHA Hazardous Ingredients	None
RCRA Hazard Class	Non-hazardous
EPA Priority Pollutant	None
DOT Hazard Class	Non-hazardous
Flammability	Non-flammable
Oral Toxicity	LD50 > 5000 mg/kg oral rat. No ingredient defined as an oral toxicant
Eye Irritation	Serious potential for eye irritation if not rinsed
Inhalation Toxicity	Non-irritating
Latex Content	no latex ingredients or latex in packaging
Carcinogenicity:	NTP = No IARC = No OSHA = No
VOC Content	0% All ingredients in Citrajel are listed in TSCA inventory

Physical data	Typical value
pH of 1% solution	2.5
Specific gravity (g/ml)	1.10
Density (lbs./gal.)	9.15
Flash Point (degrees F):	None
Phosphate Content (as Phosphorus)	0%
Other Phosphorous compounds (as Phosphorous)	less than 1%
Organic Carbon (% calculated w/w)	14%
Fragrance Content	0%
Surface Tension 1% Solution (Dyne/cm)	32
Color	Pale Yellow
Form:	Liquid
Solubility in Water	Completely soluble in all proportions
Hard Water Effectiveness:	Highly Effective
Biodegradability	Biodegradable
Foam Tendency	Low to Non- 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. 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.