

Citranox®

Acid Cleaner and Detergent

- Concentrated to save you money
- Phosphate free, biodegradable and readily disposable
- Penetrating wetting power to save you time
- Free rinsing to give you reliable results and no interfering residues
- Use to pass your cleaning validation tests for lab accreditation and plant inspection approval
- Contains acid ingredients for high performance removal of metal oxides, salts and inorganic residues combined with full detergent capability

Used to clean

Dairy equipment, laboratory ware, sampling apparatus, lab stills, laser chillers, clean rooms, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, restaurant equipment, rethermolators, steam tables, metal forgings, stampings and castings, industrial parts, pipes, tanks, boilers and reactors. Authorized by USDA 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, pasta and starch, soil, grit, buffing compound, grime, grease, fats, oils, particulates, deposits, chemical and solvents.

Surfaces cleaned

Scale, metal oxides, metal complexes, trace inorganics, milkstone, pasta and starch, soil, grit, buffing compound, grime, grease, fats, oils, particulates, deposits, chemical and solvents. porcelain, ceramic, grout, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable

Cleaning method

Soak, brush, sponge, cloth, ultrasonic, flow through clean-in-place. Will foam—not for spray or machine use.

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. Not for spray machines, will foam. 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.

Citranox 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 12 x 1 Quarts (12X0.95 L)
Case 4 x 1 Gallons (4X3.8 L)
5 Gal. Jerrycan (19 L)
15 Gal. Drum (57 L)
55 Gal. Drum (208 L)
1 gal. makes 50 gal. cleaning solution

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, UV, TOC, HPLC, anionic surfactant concentration using inexpensive detergent water testing kits, surface tension, and surface analysis. For details 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
Latex Content	None in detergent, packaging materials or adhesives.
Oral Toxicity	LD50> 5000 mg/kg oral rat No ingredient defined as an oral toxicant by OSHA
Eye Irritation	Serious potential for eye irritation if not rinsed
Inhalation Toxicity	Non-irritating
VOC Content	0%
Carcinogenicity	NTP = No IARC = No OSHA = No All ingredients in Citronox are listed in TSCA inventory. USDA NSF cat A3

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%
Organic Carbon (% calculated w/w)	17%
Fragrance Content	0%
Surface Tension 1% Sol'n (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	High 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.