



Biodegradable. Concentrated. Interfering residue free. Alconox detergents set the standards for critical cleaning. Scientists, engineers, and professionals specify Alconox detergents in their cleaning procedures for optimum economy, environmental safety and performance.

Available worldwide from leading laboratory, healthcare and industrial suppliers.



## Alconox®

### Powdered Precision Cleaner

Concentrated, anionic detergent for manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Ideal for cleaning contaminants from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Excellent replacement for corrosive acids and hazardous solvents. USDA authorized. Dilute 1:100. pH 9.5



## Terg-A-Zyme®

### Enzyme Active Powdered Detergent

Concentrated, anionic detergent with protease enzyme for manual and ultrasonic cleaning. Excellent for removal of proteinaceous soils, tissue, blood, and body fluids from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass with no interfering residues. Ideal as a cleaning agent in Reverse Osmosis and Ultra-Filtration Systems. USDA authorized. Dilute: 1:100. pH 9.5



## Liqui-Nox®

### Critical Cleaning Liquid Detergent

Concentrated, anionic detergent for manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Extremely mild and completely soluble in hard and soft water. USDA authorized. Dilute 1:100. pH 8.5



## Luminox®

### Low Foaming Neutral Cleaner

Low foaming, neutral pH detergent for use in manual, ultrasonic, and machine cleaning. Safe-handling detergent used for non-corrosive cleaning without chelation or alkalinity waste treatment problems. Recommended for aluminum and soft metal, medical devices, pharmaceutical equipment, alkaline sensitive labware, and medical instruments in aluminum trays. Free rinsing, eliminating interfering residues. Dilute 3:100. pH 7



## Alcojet®

### Low Foaming Powdered Detergent

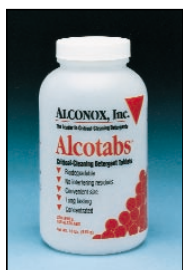
Nonionic, low foaming cleaner for use in labware washers, parts washers, power-spray systems, manual and ultrasonic cleaning. Corrosion inhibited formula recommended for glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Free rinsing for reliable results and no interfering residues. USDA authorized. Dilute 1:200. pH 12



## Citranox®

### Liquid Acid Cleaner and Detergent

Phosphate free, concentrated cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in manual and ultrasonic cleaning. Corrosion inhibited and free rinsing for reliable results and no interfering residues. Ideal for trace metal analysis. USDA authorized. Dilute 2:100. pH 2.5



## Alcotabs®

### Critical Cleaning Detergent Tablets

Effervescent detergent tablet for maximum cleaning in syphon pipette washers to clean pipettes and tubes. Slow release bubble action and free rinsing produce reliable results and no interfering residues. USDA authorized. pH 6.5



## Det-O-Jet®

### Low Foaming Liquid Detergent

Low foaming, heavy duty alkaline detergent for use in labware washers, parts washers, power-spray systems, and ultrasonic cleaning systems. Concentrated, highly emulsifying and penetrating formula is free rinsing, and leaves no interfering residues. Protects interior working parts of washers. USDA authorized. Dilute 1:200. pH 12.4



## Citrajel®

### Low Foaming Acid Cleaner

Low foaming, phosphate-free, concentrated, liquid cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in labware washers, parts washers, power-spray systems and manual and ultrasonic cleaning. Corrosion inhibited and free rinsing leaving no interfering residues. Ideal for acid washing and rinsing. Dilute 2:100. pH 2.5



## Detergent 8®

### Low Foaming Phosphate Free Detergent

Nonionic, detergent for labware washers, PC board washers, power-spray systems, ultrasonic and manual cleaning. Removes oils, resins, rosins, and fluxes from PC circuit boards, electronic parts, phosphate sensitive labware and nuclear contaminated equipment with no interfering conductive residues. Excellent replacement for solvent cleaning. Dilute 3:100. pH 11

## DETERGENT SELECTION GUIDE

Application Key Concerns	Articles Cleaned/Soil Removed	Cleaning Method	Recommended Detergent
<b>Healthcare</b> Effective preparation for sterilization, longer instrument life. Minimize cross-contamination. Reduce waste.	Surgical, anaesthetic, and examining instruments and equipment. Catheters and tubes.	Manual, Ultrasonic, Soak	ALCONOX, LIQUI-NOX
		Machine washer, sani-sterilizer	ALCOJET, LUMINOX, CITRAJET
	Difficult proteinaceous soils, blood and other body fluids, tissue on instruments.	Manual, Ultrasonic, Soak	TERG-A-ZYME
		Machine washer, sani-sterilizer	ALCOJET, LUMINOX
<b>Pharmaceutical/ Medical Device</b> Passing cleaning validation for FDA good manufacturing practices.	Product-contact surfaces.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX
		Machine washer, power wash	ALCOJET, DET-O-JET, LUMINOX, CITRAJET
	Inorganic residues, salts, metallics, pigments.	Manual, Ultrasonic, Soak, C-I-P*	CITRANOX
		Machine washer, power wash	CITRAJET
	Protein/ferment residues. R/O, U/F membranes.	Manual, Ultrasonic, Soak, C-I-P*	TERG-A-ZYME
<b>Laboratory</b> Reproducible results, no interfering residues, extending equipment life. Keep laboratory accreditation. Laboratory safety.	Glass, metal, plastic labware, ceramics, tissue culture, porcelain, clean rooms, animal cages, bioreactors, tubing, benches, safety equipment.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX
		Machine, power spray, labware washer, washer-sterilizer, cage-washers	ALCOJET, LUMINOX, DET-O-JET, CITRAJET
	Tubes, reusable pipets.	Siphon-type washer-rinsers	ALCOTABS
	Water and environmental sampling. Phosphate-sensitive labware. EPA procedures.	Manual, Ultrasonic, Soak, C-I-P*	LIQUI-NOX, CITRANOX
		Machine washer, labware washer	DETERGENT 8, CITRAJET
	Radioactive equipment/contaminants.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX
	Stopcock grease.	Machine washer, warewasher	ALCOJET
	Trace metals, metal oxides, scale.	Manual, Ultrasonic, Soak, C-I-P*	CITRANOX
		Machine washer, warewasher	CITRAJET
	Proteinaceous soils, bio-wastes, tissue, blood and other body fluids, fermentation residues.	Manual, Ultrasonic, Soak, C-I-P*	TERG-A-ZYME
		Glassware washer	ALCOJET, DET-O-JET
<b>Metalworking and Precision Manufacturing</b> Clean parts, avoid volatile solvents, strong acids, and other hazardous chemicals.	Glass, ceramic, porcelain, stainless steel, plastic, rubber. Oils, chemicals, particulates.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX
		Machine washer, power wash	ALCOJET, DET-O-JET
	Aluminum, brass, copper, and other soft metal parts. Oils, chemicals, particulates.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX
		Parts washer, power wash	ALCOJET, LUMINOX
	Inorganics, metallic complexes, trace metals and oxides, scale, salts, buffing compounds.	Manual, Ultrasonic, Soak, C-I-P*	CITRANOX
		Parts washer, power wash	ALCOJET, DET-O-JET, CITRAJET
	Silicone oils, mold-release agents, buffing compounds.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX
		Parts washer, pressure spray	ALCOJET, DET-O-JET
	Metal oxides, scale, salts. Metal brightening.	Manual, Ultrasonic, Soak, C-I-P*	CITRANOX
		Parts washer, pressure spray	CITRAJET
<b>Environmental</b> No interfering residues. Phosphate free.	Bailers, samplers, augers, containers, tubing, teflon, glass, rubber, stainless steel.	Manual, Ultrasonic, Soak, C-I-P*	LIQUI-NOX, DETERGENT 8
		Machine wash, pressure spray	DETERGENT 8, LUMINOX
<b>Electronics</b> Avoid conductive residues, avoid CFCs, pass cleaning criteria.	Circuit boards, assemblies, screens, parts, conductive residues, resins, rosins, fluxes, particulates, salts.	Manual, Ultrasonic, Soak	DETERGENT 8, LUMINOX
		Machine washer, power spray board and screen washers	DETERGENT 8, LUMINOX
	Ceramic insulators and components.	Manual, Ultrasonic, Soak	ALCONOX, LIQUI-NOX
<b>Food and Dairy</b> Avoid interfering residues on food-contact equipment.		Parts washers	ALCOJET, DET-O-JET, CITRAJET
	Stainless steel, food-contact equipment.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX
		Machine wash, pressure washers	ALCOJET, DET-O-JET, CITRAJET
	Oxides, scale, trace metals, salts, milkstone.	Manual, Ultrasonic, Soak, C-I-P*	CITRANOX
		Machine wash, pressure washers	CITRAJET
	Filter membranes. Proteinaceous soils.	Manual, Ultrasonic, Soak, C-I-P*	TERG-A-ZYME
<b>Cosmetics</b> Avoid cross-contamination.	Product contact surfaces.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX, LIQUI-NOX, CITRANOX, LUMINOX
		Parts washers, power spray	ALCOJET, DET-O-JET, LUMINOX, CITRAJET
<b>Optics</b> Avoid optical interference	Lenses, substrates, mirrors, reflectors, fibers.	Manual, Ultrasonic, Soak	ALCONOX, LIQUI-NOX, CITRANOX, LUMINOX
		Parts washers, machine washers	ALCOJET, DET-O-JET, LUMINOX
<b>Nuclear</b> Avoid waste interference	Reactor cavities, pipes, tools, protective equipment.	Manual, Soak, Spray	DETERGENT 8, LUMINOX, ALCONOX

\*Clean-in-Place by circulating, for spray clean-in-place see machine washer detergents.

To purchase detergent contact your laboratory, healthcare, or industrial supply company.