

Liquinox®

Critical-Cleaning Liquid Detergent

(Rev. 12/6/18)



- Concentrated to save you money
- Replaces corrosive acids and hazardous solvents
- Phosphate free, biodegradable and readily disposable
- 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

LIQUINOX™, USED TO CLEAN:

Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, disk drives, clean rooms, medical devices, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, pipes, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. Used for phosphate sensitive analysis ware. FDAcertified.

LIQUINOX™, USED TO REMOVE:

Soil, grit, grime, slime, grease, oils, blood, tissue, particulates, deposits, chemical and solvents.

LIQUINOX™, SURFACED CLEANED:

Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, cement and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Used for art restoration. Corrosion testing may be advisable.

LIQUINOX™, CLEANING METHOD:

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

LIQUINOX™, DIRECTIONS:

Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 ml per liter) in cold, warm or hot water. If available, use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe or ultrasonic method. 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.

PHYSICAL DATA

pH as is
Specific gravity (g/ml)
Density (lbs./gal.)
Vapor pressure (mm Hg)
Flash Point (degrees F)

TYPICAL VALUE

8.5
 1.07
 8.9
 10.5
 None

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Phosphate Content (as Phosphorus)	0%
Organic Carbon (% calculated w/w)	21%
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	

CHEMICAL DESCRIPTION:

Liquinox consists primarily of a homogeneous blend of sodium linear alkylaryl sulfonate, sodium xylene sulfonate, alkanolamide, and ethoxylated alcohol. Liquinox is anionic in nature.

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, sodium concentration, phosphorus concentration, anionic surfactant concentration using inexpensive detergent water testing kits, surface tension, and surface analysis.

HEALTH SAFETY INFORMATION:

OSHA Hazardous Ingredients: None

RCRA 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: Mild to Moderate eye irritant if not rinsed

Inhalation Toxicity: Non-irritating solution, powder a potential irritant

VOC Content: 0%

Carcinogenicity:

NTP = No IARC = No OSHA = No

All ingredients in Alconox are listed in TSCA inventory. USDA NSF cat A1

CONTACT INFORMATION:

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