

FOR CRITICAL PROCESS CLEANING

CANI

COMMITMENT TO CONSTANT AND NEVER ENDING IMPROVEMENT

CP-425

Inorganic Phosphoric Acid Cleaner and Descaler



For Use On:

- Laboratory glassware
- Cosmetic devices
- Inorganic salts & scales
- Animal cages
- Mineral deposits
- Pharmaceutical devices
- Medical devices
- Carbon & urine scales
- Pharmaceutical/biotech process cleaning

DESCRIPTION

CP-425 is a concentrated liquid, acidic cleaner/descaler formulated for the pharmaceutical, cosmetic, and medical device industries. It effectively removes a wide range of process and research residues, such as inorganic salts and scales, particulate carbon and urine scales. This product is effective in animal cage wash applications, laboratory glassware washing, and pharmaceutical/biotech process cleaning and derouging. Low foaming CP-425 will not cavitate recirculation pumps and is extremely free rinsing to achieve a clean, residue free surface. CP-425 has excellent hard water tolerance to eliminate mineral deposits.

The surfactant system in CP-425 remains effective across a wide temperature and pH range, even during pH neutralization prior to discharge, thus reducing redeposition of process residues. When used as directed, CP-425 is safe for use on both glassware and stainless steel substrates and a wide variety of plastics including polycarbonate.

DIRECTIONS

Typical operating concentrations of CP-425 run from 0.2% to 5.0% (v/v) and depend on temperatures, soil loads, and cleaning methods used. CP-425 is designed for use in immersion, pressure spray and recirculating spraywash applications and is ideal for cage washers, pharmaceutical glassware and parts washing machines, and recirculating Clean-In-Place (CIP) systems. Concentrations for periodic descaling or derouging are typically higher (10-20% v/v). Proper care and protective equipment are required for manual cleaning—see the MSD sheet.

Biodecontamination Group Technical Service Chemists and Engineers will help you establish an improved cleaning procedure and a residue testing procedure for your applications using CP-425. If required, our testing laboratory can test your residue and screen various cleaner concentrations, temperatures and exposure times to determine the optimum cleaning conditions and also provide cleaning validation assistance.

Concentration Testing for CP-425 - Several options exist for the feed and concentration control of CP-425, including a standard acid/base titration, pH and conductivity.

PRODUCT SPECIFICATIONS

Active Ingredients:	25.0 ± 0.5%	Sequestration:	Excellent
Color:	Pink/clear liquid	Detergency:	Excellent
Odor:	Slight chemical	Rinsability:	Excellent
pH:	0.5 - 1.5	Fumes:	None
Base:	Sequestering acids	Flash Point:	None (waterbased)
Viscosity:	Moderately viscous	Biodegradability:	Completely
Foam:	None	Storage/Stability:	2 years
Abrasives:	None	Weight Per Gallon:	10.37 lbs. per gallon
Solubility:	Complete with water	Freeze/Thaw Stability:	Keep from freezing

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