



GENERAL DESCRIPTION

CIP 220 Acid-Based Process & Research Cleaner is a liquid, hydroxyacetic acid-based detergent specially formulated to meet the unique cleaning demands found in the pharmaceutical, cosmetic and medical device industries. Phosphate-free CIP 220 cleaner effectively removes a wide range of process residues, including inorganic salts. The special surfactant selected for CIP 220 cleaner is active across the full pH range (from pH 2.0 to pH 13.5), and across the full temperature range. CIP 220 cleaner is free of perfumes and dyes, and is designed to be extremely free-rinsing. Routine use provides maintenance removal of migratory iron (blush or rouge) from stainless-steel surfaces.

FEATURES

Compatible with both glass and stainless steel

Effective surfactant system

Surfactant system retains activity even upon product neutralization prior to discharge

Low-foaming at all temperatures

Exceptionally free-rinsing

Excellent hard water tolerance

Phosphate-free

BENEFITS

Safe to use with most process equipment

Remains soluble and active across full temperature range from 41-185°F (5-85°C)

Minimizes redeposition of process residues

Easily rinsed; also, does not cavitate recirculation pumps

Promotes a clean, residue-free surface

Eliminates mineral deposits

Environmentally friendly

PHYSICAL PROPERTIES

Form..... Colorless to light straw, clear liquid

Odor..... Slight chemical

Specific gravity (77°F [25°C])..... 1.11, typical

pH (1% w/w)..... 2.8, typical

Solubility..... Complete

Foam..... Low

Rinsing..... Excellent

Phosphates..... None

DIRECTIONS FOR USE

CIP 220 cleaner is designed to be low-foaming at all temperatures. Typical operating temperatures range from ambient to 185°F (85°C). For exceptionally heavy soils, the higher temperatures may be required.

Typical operating concentrations of CIP 220 cleaner run from 0.25 oz/gal to 4.0 oz/gal (0.2-3.1% v/v) and depend on temperatures, soil loads and cleaning equipment used. STERIS will help you establish the optimum cleaning criteria for your operation. If desirable, our laboratories can screen various times, concentrations and temperatures to determine the optimum cleaning parameters for each soil.

Several options exist for the feed and control of CIP 220 cleaner, including:

1. A titration for use-concentration determination (Test Kit EQ1411).
2. Conductivity for automated feed and control (Laboratory Report #3240).

See your local STERIS sales representative for methods of testing for residuals of CIP 220 cleaner.

STORAGE AND DISPOSAL

Storage

This product should be stored in an area where it is not exposed to extreme temperatures. Product may freeze. Swirls and precipitate may occur in frozen material, but readily go into solution when thawed and mixed.

Disposal

Flush with plenty of water to the sanitary sewer. Dispose of in accordance with local, state and federal regulations.

SERVICE

Sales

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

Technical

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet (MSDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 314-535-1395.

For further information, please contact:

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