

# QUEL ACID CIP

Acid Cleaner and Descaler



## Description

**QUEL Acid CIP** is a low foam, blended acid cleaner and descaler, designed to remove carbonate scales typical in many industries. **QUEL Acid CIP** is used in the food industry for molds, plates and crates, as well as in CIP. The powerful blend of acids in **QUEL Acid CIP** allows for the removal of hardness scales from heat exchange surfaces.

## Authorizations/Approvals

**QUEL Acid CIP** meets the United States Department of Agriculture 1998 A3 Guidelines.

A3. Acid cleaner for use in all departments.

Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.

## Key Properties

- Low foaming, ideal for spray and CIP operations
- Acid-blend makes it suitable for HTST cleaning
- Formulation aids in stain removal, leaving stainless surfaces enhanced
- Performance of the blend is unaffected by water conditions
- Versatile enough to be used under pressure and high agitation conditions
- Free rinsing

## Technical Data

Appearance	Clear Liquid
Color	Colorless
Odor	Acidic
Density	9.81 lbs/gal
Specific Gravity	1.175
pH	<1
pH, 4% Solution	1.2
Phosphorus	2.4% as P

## Use Directions

Typical use concentrations are 0.5-4 oz per gallon at 110° to 150°F, depending on soil level and applications. When used in food and beverage applications, **Quel Acid CIP** must be thoroughly rinsed from food contact surfaces. Contact your DuBois representatives for specific use instructions for your application.

## Dispensing

**QUEL Acid CIP** is a strong acid. Metering pumps can be used to dispense this product, but proper care must be taken to insure compatibility with Nitric Acid.

## Test Method:

Use Acid Drop Test Kit #409724

Sample size: 10 mL

Indicator: Phenolphthalein

Factor	Concentration Units
0.054	oz / gal
0.422	mL/L

We recommend running a blank titration to establish an appropriate titration curve for your location.

## Material Compatibility

When used at recommended concentrations, **QUEL Acid CIP** is safe for use on: stainless steel, glass, rubber and some plastic surfaces such as PVC and Polyethylene. Mild steel, copper, brass, zinc, aluminum and other soft metals are subject to corrosion. When carefully used at low concentrations **QUEL Acid CIP** can be used to brighten aluminum, copper and brass.

## Safe Handling and Storage Instructions

Store at normal room temperature. Please refer to the MSDS for appropriate PPE for the handling of this material.

## Disposal

Any disposal of this product should be in compliance with all federal, state and local regulations.

## Precautions

KEEP OUT OF THE REACH OF CHILDREN.

Please refer to the label and Material Safety Data information for all warnings, recommendations for safety equipment, and other regulatory information. Copies of the Material Safety Data information can be ordered by calling 800-438-2647.