



**Clear Solutions USA**

# ClearSol CIP Complete 20+

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## Technical Data Sheet

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### **CONCENTRATED CAUSTIC CLEANER WITH LOW FOAM SURFACTANT AND 25 GRAINS HARD WATER CONTROL**

#### **DESCRIPTION**

**ClearSol CIP Complete 20+** is a fully formulated, complete, very low foaming 50% caustic cleaner with 25 grains hard water control. This proven cleaning technology exhibits the following attributes:

- Extremely low surface tensions of 19 dynes/cm or lower depending on water quality.
- Provides the lowest known surface tension properties from a commercially available 50% Caustic Soda-based cleaner and their use dilutions.
- Controls hard water up to 25 grains hardness even in high-temperature cleaning applications.
- Extremely low foam properties making this product suitable for many industrial cleaning processes.
- Can reduce either the NaOH consumption or the cleaning cycle time by as much as 50%.
- Light color with minimal odor.
- Applications include food, brewery, ethanol, draft beer lines, dairy, poultry, egg, car & truck, strong caustic or acidic cleaners. Also includes paint and coating strippers, oil field, and pulp & paper applications.

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Revision Date: October 30, 2020

## FORMULATION TIPS

ClearSol CIP Complete 20+ is a fully formulated cleaner. It should be diluted to whatever cleaning strength is required, i.e. 3% active sodium hydroxide for beverage processing equipment cleaning.

## SPECIFICATIONS

Appearance	Clear, light amber liquid
Odor	Bland odor
Specific Gravity	1.50
pH (as is)	> 12.5

## PERFORMANCE PROPERTIES

Surface Tension, ClearSol CIP Complete 20+ at 3% active NaOH	19 dynes/cm
Ross Miles Foam Tests, ClearSol CIP Complete 20+ at 1% NaOH	3 mm foam (0 mm in < 5 seconds)

## STANDARD PACKAGING

ClearSol CIP Complete 20+ is available in 55-gallon drums, 275 & 330-gallon totes.

## SHELF LIFE

ClearSol CIP Complete 20+ has a shelf life of 2 years.