

# TECHNICAL BULLETIN



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## CITRIC ACID 50% W/W

### A FOOD-SAFE LIQUID SEQUESTERANT

#### MATERIAL & FUNCTION

CITRIC ACID 50% weight for weight is a stable solution of food grade Citric Acid (2-Hydroxy-1,2,3-Propanetricarboxylic Acid). Citric acid is an excellent solubilizer of metal salt deposits – particularly calcium and iron salts.

#### APPLICATIONS

- In the food and beverage industry, citric acid is the preferred acidulant due to its high solubility, pleasant tart taste and excellent flavour blending characteristics.
- Due to its ability to form complexes with trace metals, citric acid is used as an antioxidant synergist. It stabilises colour, taste, flavour and vitamins in various food products including processed fruit, potatoes, vegetables, fish and meat products.
- Citric acid shows the widest buffering capacity (pH 2.5-6.5) of all organic acids, thus giving the food, personal care and pharmaceutical industries the flexibility needed in formulating optimal end products.
- Citric acid is readily biodegradable and safe for both industry and consumers. These properties underline its utility as a food and pharmaceutical ingredient. Citric Acids unique properties are applicable over a broad range of industrial applications. The cleaning, building, textile and paper industries have taken advantage of citric acid's outstanding chelating ability, as well as its non-toxicity, to pioneer new uses for citric acid and citrates..

#### DIRECTION FOR USE

CITRIC ACID 50% may be added to foam cleaners provided they do not contain oxidants (eg chlorine or hydrogen peroxide). This provides an excellent method for boosting the efficacy of CIP (Cleaning in Place) and COP (Cleaning Out of Place) cleaners. A usage rate of 2-6% CITRIC ACID 50% is satisfactory for light CIP Cleaning

**CAUTION:** *Avoid contact with skin and eyes and avoid breathing vapour or spray mist.*

**PACKAGING:** 15L Plastic Cubes, 200L drum, 1000L IBC

#### IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any*

*consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***

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