

# CIP ACID

CIP ACID is a concentrated acid based detergent for treating process equipment after cleaning with a caustic detergent. CIP ACID removes milkstone, mineral deposits and protein build ups.



## BENEFITS

- Highly economical at use concentrations
- Phosphate Free
- Accelerated action due to superior wetting properties.
- Highly effective at removing inorganic scale deposits including, Calcium Oxalate(Beerstone) and Calcium Phosphate (Milkstone)
- Suitable for use in regular and robotic plants.

## DILUTION RATES

- Use at between 1 – 3% at 60 – 80°C
- In cases where severe scale build up is encountered use concentration of 5 – 10 % is recommended.

## APPLICATIONS & DIRECTIONS

- Normal circulation times are 15-30 minutes; this should be increased in the case of excessive scale build up.
- Equipment must be thoroughly rinsed with potable water prior to commencing production.
- CIP ACID can also be used for single stage cleaning of road tankers in the dairy industry.
- CIP ACID is highly effective in the acidic cleaning step of heat exchangers, separators, evaporators and UHT equipment.

**NOTE:** Do not use at temperatures exceeding 80°C as this could damage gaskets.

## AREAS OF USAGE

- Dairies
- Cheese factories
- Breweries
- Poultry processing facilities

## TECHNICAL DATA

APPEARANCE: Clear liquid  
 ODOUR: Slight acid  
 pH: <math>\leq 2</math> / SHELF LIFE: 2 Years

## RELATED PRODUCTS

- PER ACETIC (Peracetic Acid based sanitiser)
- FOAM PLUS (Chlorine based foaming sanitiser)
- PINE GEL ( Gel based pine disinfectant, detergent)

## HEALTH AND SAFETY

**Product in eyes:** Flush eyes with water for at least 15 minutes holding eye-lids apart. Seek medical attention immediately.

**Product on skin:** Flush with water for at least 15 minutes, remove contaminated clothing. Seek medical attention.

**Product Ingested:** Rinse mouth at once. Give 1-2 glasses of water or milk to drink. Do not induce vomiting. Seek medical attention immediately.

**Product Inhaled:** Move patient to well-ventilated area. Seek medical attention.

**NOTE:** Due to the high risk of adverse affects of the main ingredient of CIP ACID (Nitric Acid), this chemical must be disposed of in accordance with municipal regulations.

This mineral acid based product presents severe health hazards if used without the necessary safety precautions The active ingredient Nitric Acid is extremely corrosive and capable of causing severe burns. Health hazards include corrosion of mucous membranes, delayed pulmonary edema and even death. Contact with eyes can cause permanent cornea damage. In addition ingestion of this product can cause severe corrosive burns of the mouth, throat and gastrointestinal tract.



Management System  
 ISO 9001:2015



www.tuv.com  
 ID 9105086504