



ACID CIP

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 Detergent descaler acid for CIP applications

→ DESCRIPTION

Acid CIP is a formulation based on nitric and phosphoric acid, enabling to obtain a solution with a high descaling power, able to remove organic residues from surfaces. It also acts as a passivating agent of stainless steel surfaces.

Acid CIP can be used for a wide range of applications in food industries, beverage bottling industries and in the dairy field, as it is also able to remove milk and beer stone. Suitable also for the zoo-technical field.

Acid CIP is low foaming, therefore it can be used for CIP applications.

Acid CIP can be used by means of dosage and control automatic systems ensuring a correct dosage of the formulation.

→ TECHNICAL CHARACTERISTICS

- Physical appearance: clear green liquid
- pH: < 2
- pH (5% solution): < 2
- Relative density at 20°C: 1,20 ± 0,05
- Conductivity 1% sol. at 25°C: 12,3 mS/cm

The above indicated chemical-physical data represent the typical product's characteristics drawn from the analysis carried out on the product. These values are not a specification.

→ INSTRUCTIONS FOR USE*

Use **Acid CIP** at concentrations between 0,5 and 5%, with a temperature range possibly between 20 and 70°C. The exact modality of application strictly depends on the kind of application, contamination and the quantity of limestone present. Carry out a careful final rinsing with drinking water.

→ FIELDS OF APPLICATION

Descaling of closed circuits, recovery and one-way CIP plants, tanks and pipes. Removal treatment of mixed residues from moulds and equipment. Evaporation towers. Weekly treatment of milking plants.





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→ COMPATIBILITY OF THE FORMULATION

Acid CIP is compatible with most material normally present in food industries, if used according to the producer's indications. Do not use on aluminium, copper, zinc-plated iron and phenolic resins. Do not leave static solutions in contact with surfaces for a long time. In case of doubt, carry out a test on the single material before using the product.

→ PRECAUTIONS FOR HANDLING AND STORAGE

Store in the original containers and avoid extreme temperatures. Consult the Material Safety Data Sheet.

→ TITRATION METHOD

Sample: 50 mL of washing solution

Indicator: phenolphthalein

Titration agent: solution of sodium hydroxide (NaOH) 1N

% (v/v) **Acid CIP** = mL titrating agent x 0,36

% (w/w) **Acid CIP** = mL titrating agent x 0,43

→ PACKAGING

20 kg net drums.

220 kg net drums.

1100 kg net IBC.

*The indications have been established for general use conditions. For conditions differing from the norm, for example depending on the particular water hardness, the working method or cleaning problems, please consult us; our technical service will be pleased to advise you and to cooperate with you.

