

C.I.P. ACID ECO

NON-FOAMING ACID CLEANER

C.I.P. ACID ECO is a highly powerful acid cleaner used for maintaining sanitary conditions in recirculating cleaning systems.

It is mainly used in food processing industries such as dairy, soft drinks, breweries, fruit juice as well as all other industries where scale deposits must be removed in closed systems. It can also be used to reduce pH.

C.I.P. ACID ECO is non-foaming even under high agitation and varying temperatures, therefore does not interfere with pumping or drainage.

FEATURES AND BENEFITS

- Use hot or cold
- Reusable
- Can be used to reduce pH
- Does not release vapours even when stored at 35°C
- Does not release gases or unpleasant odours



DIRECTION FOR USE

PROCEDURE #1

EQUIPMENT TO BE TREATED

All recirculating cleaning systems such as transportation circuits, pasteurizers, fermenters, holding tanks, storage tanks for pasteurized and untreated milk.

SOILS TO BE REMOVED

Mineral deposits i.e. scale, milk stone, water stains, beer stone.

USE PROCEDURE

Prepare a solution containing **C.I.P. ACID ECO** and let circulate between 15 and 30 minutes in piping. Said treatment may precede or follow an alkaline cleaning. Then, rinse with potable water.

CONCENTRATION

Between 0.5% to 20% (5 to 200 ml/l)

TEMPERATURE

Between 10°C and 60°C (50 to 140°F)

DWELL TIME / OPERATION TIME

15 to 30 minutes

MECHANICAL ACTION

Ensure a circulation speed between 1.5 and 3.0 meters per second in all parts of the system. Ensure that the product reaches all surfaces when cleaning through a sprinkler system.

RINSING

Warm potable water.

REUSE/RECYCLING

Possible in systems adapted for recycling.

PROCEDURE #2

EQUIPMENT TO BE TREATED

When installing stainless steel systems, it is recommended to use **C.I.P. ACID ECO** for passivation of the metal.

SOILS TO BE REMOVED

Stainless steel passivation.

USE PROCEDURE

Degrease with an alkaline solution. Circulate cold, undiluted **C.I.P. ACID ECO** in designated systems. Allow at least two hours for effective passivation.

CONCENTRATION

Between 5% to 30% (50 to 300 ml/l)

TEMPERATURE

Room temperature or as supplier recommendation.

DWELL TIME / OPERATION TIME

At least two hours.

MECHANICAL ACTION

Agitation or circulation.

RINSING

Rinse with water.

REUSE/RECYCLING

May be reused several times in the case of passivation.

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PHYSICAL PROPERTIES

Appearance	Clear, colorless liquid
Odour	Odorless
Specific gravity @ 20°C	1.24
Viscosity	< 10 cps
pH	1.5
Flash point (TCC)	None
Water solubility	Complete
Auto ignition temperature	None
Boiling point	100°C
Freezing point	< -5°C
Foaming tendency	Non-foaming
Concentration monitoring techniques	Titration, electrical conductivity, refractive index
Rinsing	Excellent

INCOMPATIBILITY

Bases, bleach

WAREHOUSING PRECAUTIONS

Keep containers tightly closed in a dry, cool and well-ventilated place

AVAILABLE SIZES

		
20L	205L	1000L



IMPORTANT

Before using **C.I.P. ACID ECO**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).

FIRST AID MEASURES

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

PERSONAL PROTECTION



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