

### FOOD INDUSTRY



Food and beverage  
industry accepted

**C.I.P. ACID** 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.

### FEATURES and BENEFITS

- Use hot or cold
- High acidity
- Non foaming even under high agitation and varying temperatures, therefore does not interfere with pumping or drainage
- Reusable
- 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** 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 0.1% to 1.0% (1 to 10ml)

##### TEMPERATURE

Between 10°C and 60°C ( 50°F to 140°F)

##### TEMPS D'OPERATION/TEMPS DE CONTACT

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 or clean hot 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** for passivation of the metal.

##### SOILS TO BE REMOVED

Stainless steel passivation

##### USE PROCEDURE

Circulate cold, undiluted **C.I.P. ACID** in designated systems. Allow at least two hours for effective passivation.

##### CONCENTRATION

As is

##### TEMPERATURE

Cold

##### TEMPS D'OPERATION/TEMPS DE CONTACT

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

# C.I.P. ACID

## NON-FOAMING ACID CLEANER

### PHYSICAL PROPERTIES

Appearance	Yellow liquid
Odour	Typical nitric acid
Specific gravity @ 20 °C	1.24
Viscosity	Low
pH	< 1
Flash point (TCC)	None
Phosphorus	No
Water solubility	Complete
Auto ignition temperature	None
Chlorine	No
Boiling point	Approx. 100 °C
Freezing point	< -5 °C
Foaming tendency	No
Concentration monitoring techniques	Titration, electrical conductivity, refractive index
Rinsing	Excellent with water

### INCOMPATIBILITY

Chlorine, alkaline products, soft metals

### WAREHOUSING PRECAUTIONS

Store away from chlorinated products

### FIRST AID MEASURES

#### EYE CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists

#### SKIN CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists

#### INHALATION

Give fresh air.

#### INGESTION

Do not induce vomiting. Drink plenty of water and contact physician.

### HEALTH

3

### FLAMMABILITY

0

### REACTIVITY

1

#### LEGEND

0 = MINIMAL RISK  
1 = SLIGHT RISK  
2 = MODERATE RISK  
3 = SERIOUS RISK  
4 = SEVERE RISK

### PERSONAL PROTECTION Security equipment



WHMIS



**IMPORTANT :** Before using **C.I.P. ACID**, 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).

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