



## CIP ACID

# Low Foaming Heavy Duty Acid Based Cleaner and De-scaler Technical Information

CIP Acid is a low foaming heavy duty acid based cleaning fluid that is particularly suited for use in hard water areas.

It is a versatile CIP (Clean-In-Place) or manual cleaner that finds application for removal of mineral scale and protein residue build up from stainless steel surfaces.

It comprises of an aqueous blend of nitric and phosphoric acids with surface active agents.

Primary features attributable to CIP Acid are:

- Effective cleaner;
- Easy to use;
- Suitable for use in hard water areas;
- Effective for removing mineral scale and protein build-up;
- Used in food , dairying, soft drinks and brewing industries;
- Cost effective utilisation.

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### Applications

CIP Acid cleaner is particularly suited for manual cleaning in the food, agricultural, dairying, soft drinks and brewing industries.

The product may be used for the cleaning of trays, cooking pots, utensils etc., which may be placed in a soak tank and will then usually only require final rinsing to remove all evidence of scaling.

Larger equipment and surfaces can be wiped, scrubbed or sprayed with CIP Acid cleaner (Ensure protective clothing is worn)

CIP Acid cleaner can also be used as the second stage in a two stage cleaning process for plant vessels and pipelines.



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## Compatibility

CIP Acid cleaner is compatible with stainless steel and most plastics and rubbers normally encountered in the food and drink processing industries. However prolonged contact on some plastics at high concentration may induce stress cracking and / or discolouration and care will need to be exercised in its use.

## Health and Safety

CIP Acid cleaner is classified as Corrosive.

Users should avoid contact with skin and eyes and wear suitable protective gloves and safety glasses. Users should also avoid ingesting the cleaner or inhaling spray, mist or vapours. Do not eat, drink or smoke during use.

See Material Safety Data Sheet for details.

## Typical Properties

Appearance	Clear pale straw coloured slightly viscous liquid
Odour	Slight acidic
Density, g/cm <sup>3</sup> @ 20 °C	1.25
Solubility in water	Completely miscible
pH (1% Solution)	1.5 units

Storage life of product is not less than 36 months in original containers when stored at temperatures between 0°C and 30 °C.

## Directions for Use

### Manual Use

CIP Acid cleaner is normally used at a dilution between 0.5% and 5% in water.

Fill a soak tank with a sufficient amount of diluted cleaner to enable parts (pots, pans, utensils, etc.) to be fully immersed.

For maximum cleaning effectiveness, allow the cleaner to remain in contact with surfaces for about 15 minutes to enable it to lift and dissolve contaminants.

Finally, rinse the surfaces well with water, working from the bottom upwards.

NOTE: Do not use on sensitive surfaces/materials. If in doubt test a small inconspicuous area before application.

For complete hygiene, it is recommended that Terminal Sanitizer compound is used in the rinse water.

### CIP Cleaning

For larger equipment and work surfaces, these may be wiped, scrubbed or sprayed with CIP Acid cleaner diluted at 0.5 to 5% in water.

CAUTION: Spraying should be carried out with great caution – the user must ensure that the area is clear of people and that he/she will be wearing all the correct protective equipment as detailed in the health and safety data sheet.

CIP Acid cleaner may also be used as the second stage of two stage cleaning of plant vessels and pipelines. Concentrations of 0.5% v/v upwards are recommended depending on the nature and quantity of material to be removed.

The product finds optimum performance when used in the temperature range ambient to 60 °C.

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## CONTACT DETAILS:

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## Packaging Details:

CIP Acid cleaner is available in:

- 20 Litre containers
- 210 Litre drums