



CIP SANPHOS

Low Foaming Acid Based Cleaner Technical Information

CIP Sanphos cleaner is a low foaming phosphoric acid based cleaning and descaling fluid that is particularly suited for use in CIP (Clean-In-Place) applications.

CIP Sanphos cleaner contains a biguanide sanitizer that has well documented kill rates on microorganisms, including a wide range of bacteria, moulds and yeasts.

CIP Sanphos cleaner is a moderate strength product which provides an optimised combination of de-scaling ability and biocidal activity with a good health and safety profile.

Primary features attributable to CIP Sanphos cleaner are:

- Effective cleaner;
- Easy to use;
- Suitable for use in both soft and hard water areas;
- Effective for Clean-in-Place applications for de-scaling and protein removal;
- Cost effective utilisation.

Applications

CIP Sanphos cleaner is particularly suited for the single stage cleaning and sanitising of food tankers, food manufacturing plant vessels, tanks and pipelines.

This is particularly useful where hard water causes scale build up or where protein scale formation is expected.

CIP Sanphos cleaner will remove both organic and mineral deposits but also produces excellent results when used to remove protein scale. (If mineral or protein scale is heavy then CIP Acid cleaner should be used first).



Certificate No. GB06/69741

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Compatibility

CIP Sanphos cleaner is safe to use on stainless steel and most plastics although prolonged contact with some plastics at high concentration levels may produce stress cracking and discolouration.

Health and Safety

CIP Sanphos cleaner is classified as Corrosive.

Users should avoid contact with skin and eyes and wear suitable protective clothing, gloves and safety glasses.

Avoid breathing spray or mist droplets.

Do not eat, drink or smoke during use.

See Safety Data Sheet for details.

Typical Properties

Appearance	Clear colourless liquid
Odour	Slight acidic
Density, g/cm ³ @ 20 °C	1.15
Solubility in water	Completely miscible
pH (10% Solution)	1.0 units

Storage life of product is not less than 36 months in original containers when stored at temperatures between 0°C and 35 °C.

Directions for Use

CIP Cleaning:

CIP Sanphos cleaner needs to be diluted for use.

Flush out the system with water then dose with CIP Sanphos cleaner to give a dilution between 0.5% and 5% in water dependant on the nature and degree of soiling present.

The cleaning solution finds optimum cleaning performance when heated to between 50 °C and 60 °C but may be used between ambient and 70 °C.

Circulate the diluted cleaner until the surfaces are clean, the length of time is dependent on the nature and depth of soiling present.

If scale/soil is still present after 20 to 30 minutes of circulation then increase the strength of the CIP Sanphos solution (up to 10% may be used) and continue circulating until clean.

Finally, drain the cleaning solution and rinse out thoroughly with clean fresh cold water.

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.

Manual Application:

CIP Sanphos cleaner can be used to sanitise and remove light mineral scale and protein scale from stainless steel surfaces.

Activity increases with concentration but it is unlikely that concentrations in excess of 10% will result in any quantifiable advantage.

Trays, cooking pots, utensils etc., can 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 Sanphos cleaner.

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.

CONTACT DETAILS:

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For any further information, please contact your distributor or Amity.

In the event of any technical queries, please contact:

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Packaging Details:

CIP Sanphos cleaner is available in:

- 20 Litre containers
- 210 Litre drums