



F&B PrimeCIP

VC93

Medium hard water detergent for heat-treated soil removal

Description

PrimeCIP is a medium hard water tolerant, blended caustic detergent, used for CIP and spray washing applications in the dairy, processed food and pharmaceutical industries.

Key properties

- PrimeCIP is a low foaming liquid caustic detergent suitable for use in medium hard water.
- PrimeCIP provides excellent detergency for single stage dairy CIP applications, e.g. milk reception, HTST and evaporator cleaning.
- PrimeCIP is used as a fryer boil-out detergent in processed food applications.
- PrimeCIP is used in the pharmaceutical industry for the removal of heavy duty soiling in the fermentation broth process.
- PrimeCIP is suitable for use in CIP applications under conditions of high turbulence.
- PrimeCIP is suitable for use in tray, crate and mould cleaning applications.

Benefits

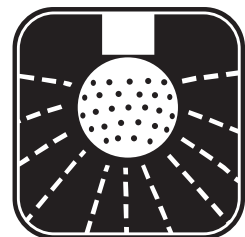
- Suitable for automatic dosing and control by conductivity ensuring consistent delivery of product.
- Can be used for single stage CIP cleaning in dairy applications, increasing processing time.
- Suitable for single stage cleaning of plate pasteurisers (HTST).
- Low foam under high turbulence makes it easier to rinse and improve cleaning performance.

Use instructions

PrimeCIP is used at 1-5% w/w (0.8-3.9% v/v) for CIP cleaning in dairies depending on soil levels and water hardness. For heavy duty applications such as removal of heat modified soils, fryer boil outs and fermentation broth residues concentrations up to 16% w/w (13% v/v) can be used.

For OPC application PrimeCIP can be applied using a 1.8% w/w solution at ambient temperature autospensed through a Nito spray pressure bottle by Vikan.

For specific details refer to method card.





F&B PrimeCIP

VC93

Technical data

Appearance: Clear, pale yellow liquid

pH (1% solution at 20°C): 13

Relative density (20°C): 1.29

Chemical Oxygen Demand (COD): 30 gO₂/kg

Nitrogen Content (N): 3 g/kg

Phosphorous Content (P): 1 g/kg

PrimeCIP [% w/w] - Specific conductivity at 25°C [mS/cm]: -

0.5 - 6.9

1 - 13.6

2 - 26.3

3 - 37.6

4 - 50.6

5 - 60.4

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers or (where applicable) in an approved bulk tank, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

PrimeCIP is safe for use on materials commonly found in the beverage and food industry when applied under the recommended conditions. In the event of uncertainty it is advisable to evaluate individual materials before any prolonged use.

Test method

Reagents:

0.1 N Hydrochloric or sulphuric acid

Phenolphthalein indicator

Procedure:

Add 2-3 drops of the indicator solution to 10 ml of the test solution. Titrate with the acid to a colourless end point.

Calculation:

% w/w PrimeCIP = titre (ml) x 0.17

% v/v PrimeCIP = titre (ml) x 0.13