F&B Super Dilac

VA4

Heavy duty acidic CIP detergent descaler

Description

Super Dilac is a low foaming, high active, non-fuming nitric/phosphoric acid detergent descaler for use in a wide range of CIP applications in the food and beverage industry.

Key properties

- Super Dilac is highly effective at removing inorganic scale deposits, including calcium oxalate (beerstone).
- Super Dilac is low foaming and suitable for use in CIP applications under conditions of high pressure and turbulence.
- Super Dilac is highly economical at in use concentrations.
- Super Dilac is a conductive liquid detergent and suitable for automatic dosing and control.

Benefits

- Highly effective in removing most inorganic scale deposits, improving operational efficiency.
- Can be used for the passivation of new stainless steel CIP and bottlewashing installations.
- Suitable for automatic dosing and control by conductivity, ensuring consistent delivery of product.

Use instructions

Super Dilac is typically used for descaling at concentrations between 2.5-13% w/w (2-10% v/v) at temperatures between 20-60°C.
Super Dilac is typically used for CIP applications at concentrations between 1-2.5% w/w (0.8-2% v/v) for descaling, depending upon the application and level of scale.
N.B. The exact concentration, time and temperature when using Super Dilac will depend upon the application.
All detergents and disinfectants should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.

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Technical data
Appearance: Clear, colourless liquid
pH (1% solution at 20°C): 1
Relative density (20°C): 1.28
Chemical Oxygen Demand (COD): None
Nitrogen Content (N): 85 g/kg
Phosphorous Content (P): 21 g/kg
Super Dilac [% w/w] - Specific conductivity at 25˚C [mS/cm]: -
0.5 - 12.8
1 - 25.1
2 - 46
3 - 66
4 - 85
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
Super Dilac is safe for use on all type of materials commonly found in CIP circuits 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 Sodium hydroxide solution
Phenolphthalein indicator

Procedure:
Add 2-3 drops of the indicator solution to 10 ml of the test solution. Titrate with the caustic to a red end point.

Calculation:
% w/w Super Dilac = titre (ml) x 0.14
% v/v Super Dilac = titre (ml) x 0.11

Agricultural use instructions
Milkstone/scale prevention and removal routines for milking plant equipment
1. For milkstone/scale prevention routine (carried out at least monthly, more frequently for hard water areas) use at the rate of 9 ml/litre of water.
2. For milkstone/scale removal (as necessary) use at the rate of 25 ml/litre of water.
Use rate can be increased depending on the severity of the build-up of milkstone/scale to a maximum of 50 ml/litre of water.

For both routines: Surfaces should be free of loose milk soiling and chemical before acid treatment. Circulate acid solution at 20-60°C for 5-10 minutes before discharging to waste. Rinse thoroughly with clean cold water to remove all traces of acid.

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