F&B Descale

VA1

Acidic detergent descaler

Description

Descale is a low foam, phosphoric acid based liquid detergent descaler for use in a wide range of applications across all sectors.

Key properties

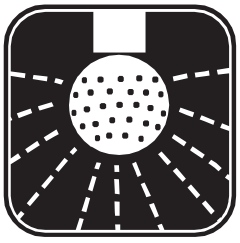
- Descale is low foaming and suitable for CIP and spray wash applications.
- Descale is highly acidic and effective at removing inorganic soils.
- Descale is a conductive liquid detergent and suitable for automatic dosing and control.

Benefits

- Highly effective in removing most inorganic scale deposits, particularly calcium carbonate and calcium phosphate, improving operational efficiency.
- Low foaming properties give improved cleaning performance under conditions of high pressure and turbulence.
- Suitable for automatic dosing and control by conductivity, ensuring consistent delivery of product.

Use instructions

Descale is typically used at concentrations between 1-6% w/w (0.8-5% v/v) at temperatures between 20-70°C, this being dependent upon the application and scale. 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): 1,8
Relative density (20°C): 1.17
Chemical Oxygen Demand (COD): 4,3 gO2/kg
Nitrogen Content (N): None
Phosphorous Content (P): 73,5 g/kg
Descale [% w/w] - Specific conductivity at 25˚C [mS/cm]: -
1 - 6.3
2 – 10,4
3 – 14,0
4 – 17,4
5 – 20,6
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

Descale 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 Descale = titre (ml) x 0.179
% v/v Descale = titre (ml) x 0.149