



F&B **Booster**

VB31

Hydrogen peroxide based detergency Booster

Description

Booster is a primary or secondary additive to caustic detergents for the removal of heavy organic deposits found across the food & beverage industries.

Key properties

- Booster is a highly concentrated liquid additive to caustic that enhances detergency and soil removal at temperatures up to 80°C during CIP applications where organic soiling is a problem.
- Booster when added to blended caustic detergents gives improved detergency over the use of blended products alone, resulting in shorter cleaning times.

Benefits

- Highly effective in removing organic deposits, thus improving operational efficiency.
- Suitable for automatic dosing and control by proportionally linking the additive pump to the caustic delivery pump, ensuring consistent delivery of product. Care has to be taken to ensure that the correct level of product is dosed into the CIP system and that the oxygen generated is vented to air.

Use instructions

Typical use concentrations for Booster are 0.09-0.43% w/w (0.08-0.39% v/v) dosed into the dilute caustic detergent solution being used at ambient to 80°C. Exact concentrations depend upon the application and level of organic soiling.

Booster should be added carefully to a vented CIP system and equipment to prevent pressure build caused by a powerful exothermic reaction between strong acids and alkaline.

Solutions containing Booster 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): 4.6

Relative density (20°C): 1.13

Chemical Oxygen Demand (COD): None

Nitrogen Content (N): None

Phosphorous Content (P): <1 g/kg

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, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Booster 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 Potassium Permanganate

Sulphuric Acid (25%)

Procedure:

Pipet 25 ml of the test solution into a conical flask and add 20 ml of the Sulphuric acid. Titrate with the Potassium Permanganate until a faint pink colour persists for half a minute (add the titrant quickly at the beginning and drop by drop towards the end of titration).

Calculation:

% (w/w) Booster = titre (ml) x 0.02

% (v/v) Booster = titre (ml) x 0.018