



F&B EnduroMax

VE1

General - Heavy duty alkaline high retention cleaner

Description

EnduroMax is a liquid high alkaline, extended contact cleaner designed for cleaning in a wide range of heavy-duty cleaning applications in the food, beverage and dairy industries.

Key properties

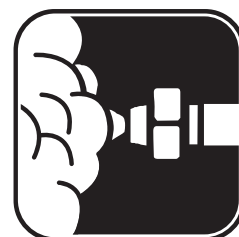
- EnduroMax is a liquid high alkaline, extended contact cleaner based on an effective blend of caustic alkali, wetting agents and emulsifiers.
- EnduroMax is a completely new 'extended contact' technology. When applied, EnduroMax clings to vertical surfaces to provide extended contact time and excellent penetration of stubborn soils. On dilution with water, a 'thixotropic' gel is formed which adheres strongly to surfaces and so increases the contact time for penetration of heavy soils. The product can be easily rinsed away using a minimum amount of water without leaving any 'sticky' residues on the surface.
- EnduroMax is particularly suited to periodic cleaning applications where heavy soiling is encountered, such as smoke chambers and ovens.
- EnduroMax can be applied as an aerated Thixofoam and is suitable for use with a wide range of application equipment.

Benefits

- High alkalinity for excellent hydrolysis and saponification of heavy deposits of burnt on protein, starch and fat.
- Can be applied onto heated surfaces.
- Thixofoam provides for maximum contact time on surfaces.
- Application as thixofoam assists with visibility.
- Free-rinsing, easy to remove from plant surfaces after use.

Use instructions

Use EnduroMax at concentrations between 2-10% v/v, dependent on the type and degree of soiling. For specific details please refer to individual method cards.





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Technical data

Appearance: Clear, pale brown liquid

pH (1% solution at 20°C): 12.6

Relative density (20°C): 1.3

Chemical Oxygen Demand (COD): 189 gO₂/kg

Nitrogen Content (N): 1.5 g/kg

Phosphorous Content (P): 1.6 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 extremes of temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

EnduroMax when applied at the recommended concentration and temperature is suitable for use on the grades of stainless steel commonly found in the processed food industry. It is unsuitable for use on soft metals such as aluminium and galvanised materials. Always rinse surfaces thoroughly after use (within 1 hour).

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 indicator solution to 5 ml of the test solution. Titrate with the acid to a colourless end point.

Calculation:

% v/v EnduroMax = titre (ml) x 0.23

% w/v EnduroMax = titre (ml) x 0.3

% w/w EnduroMax = titre (ml) x 0.3