

## Fillerclean VK12

### Alkaline detergent for exterior filler cleaning

# VK12

#### Description

**Fillerclean** is a mildly alkaline, liquid detergent specially formulated for the exterior cleaning of bottle and carton filling machinery in the food, beverage and dairy industries.

#### Key properties

**Fillerclean** contains a balanced blend of mild alkalis, organic sequestrant and moderately foaming wetting agents/emulsifiers. It is particularly effective for removing residues of fruit juices, milk and other dairy products that typically build-up on filling machinery during use.

**Fillerclean** is normally applied using the machine's own automated dosing equipment. The controlled foaming action provides good coverage, excellent soil penetration and ease of rinsing. Under recommended conditions of use, **Fillerclean** is compatible with most materials including plastics and soft metals, such as aluminium.

#### Benefits

- Effective cleaner
- Suitable for use on all materials commonly found in packaging equipment
- Use in soft or hard water
- Free-rinsing

#### Use instructions

Use **Fillerclean** at concentrations between 0.5-1% v/v depending on water hardness and degree and type of soiling. For specific details please refer to individual method cards.

#### Technical data

Appearance	clear, pale yellow liquid
Relative Density at 20°C	1.09
pH (1% solution at 20°C)	10.8
Chemical Oxygen Demand (COD)	180 gO <sub>2</sub> /kg
Nitrogen Content (N)	5.0 g/kg
Phosphorous Content (P)	0.7 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 Material Safety Data Sheet.

#### Product compatibility

**Fillerclean** contains an inhibitor that makes it suitable for use on materials commonly found in the processed food industry, including soft metals such as aluminium, when applied at the recommended concentration and temperature. 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: 0.1N Hydrochloric or sulphuric acid  
Bromophenol blue indicator

Procedure: Add 2 - 3 drops of the indicator solution to 50ml of the test solution. Titrate with the acid to a bright yellow end point.

Calculation: % v/v **Fillerclean** = titre (ml) x 0.19  
% w/v **Fillerclean** = titre (ml) x 0.20  
% w/w **Fillerclean** = titre (ml) x 0.20

### Available pack sizes

Pack size  
20Lt

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