



## Defoamed additive for tenacious organic soils & scale removal

### Description

Brightwash is a concentrated, heavy duty detergent containing a powerful blend of sequestrants and surfactant based defoamers.

Brightwash is used as a bottlewashing primary additive to caustic for cleaning glass, refillable PET and PEN bottles and is particularly effective at removing very tenacious soils.

Brightwash is also used as an additive to caustic for a wide range of CIP applications within the pharmaceutical, food, dairy and beverage industries.

### Key properties

- Brightwash is a highly concentrated liquid bottlewashing additive suitable for glass, refillable PET and PEN bottles.
- Brightwash has been developed for use with refillable PET (polyethylene terephthalate) bottles, reducing the risk of stress cracking.
- Brightwash provides enhanced detergency for the removal of labels, glue and very tenacious organic soils.

### Benefits

- Suitable for automatic dosing and control, ensuring effective product use for economy and performance.
- Reduces the risk of stress cracking with refillable PET bottles, ensuring bottle integrity.
- Inhibits scale build up and prevents nozzle blockage, improving operational efficiency and effectiveness. Maintenance frequency, time and associated costs can also be reduced.
- Significantly enhances detergency and label removal in bottlewashing, ensuring effective cleaning and giving reduced reject rates.
- Aids free rinsing, reducing caustic carryover and the risk of carbonate blooming.

### Use instructions

Brightwash should be dosed into the caustic section of bottlewashers at sufficient levels to maintain 0.25-0.5% w/w (0.2-0.4% v/v), depending on soil loading and tenacity, scale and water hardness. Optimal foam control is obtained at temperatures above 45°C.

Brightwash is consumed by water hardness salts and scale. Free EDTA must be present to ensure effective performance and should therefore be monitored during use and additions made to maintain the required concentration where appropriate.

Brightwash is typically used at 0.3-2% w/w (0.2-1.5% v/v) for CIP, depending on application, soil loading and water hardness.

Brightwash containing solutions should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.





**F&B Brightwash**

**VB14**

#### **Technical data**

Appearance: Clear, yellow liquid

pH (1% solution at 20°C): 11

Relative density at 20°C: 1.28

Chemical Oxygen Demand (COD): 360 gO<sub>2</sub>/kg

Nitrogen Content (N): 23.2 g/kg

Phosphorous Content (P): 3 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 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**

Brightwash 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**

Test method is available on request.