



**F&B Clenebrite**

**VC7**

## Low freezing, low foam caustic detergent for hard water

### Description

Clenebrite is a low freezing, heavy duty, hard water tolerant, low foam, formulated liquid caustic detergent for CIP, bottlewashing & other spray washing applications.

### Key properties

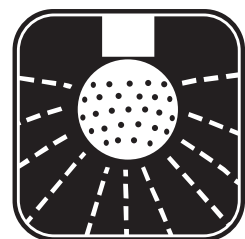
- Clenebrite is a low freezing liquid caustic detergent suitable for hard water use.
- Clenebrite is highly effective at removing a wide range of organic soils and preventing scale build up.
- Clenebrite is highly effective at removing rust ring and controlling aluminium in bottlewashing applications.
- Clenebrite can be used in all food & beverage areas for a wide range of applications including CIP of brewhouse, heat exchangers, pipelines, fillers and kegs in the brewing industry. It is also suitable for two stage cleaning for dairy CIP and fryer/cooker boil-outs in the processed food industry.
- Clenebrite is suitable for low temperature storage.

### Benefits

- Suitable for automatic dosing and control by conductivity, ensuring consistent delivery of product and reproducible cleaning results.
- Gives highly cost effective cleaning performance.
- Assists detergency, rust, aluminium and label removal in bottlewashing applications, ensuring product integrity.
- Inhibits scale build up and prevents nozzle blockage, improving operational efficiency and cleaning effectiveness. Maintenance frequency, time and associated costs can also be reduced.
- Aids free-rinsing and helps prevent spotting on bottles caused by water hardness and other deposits, reducing reject rates.
- Single blended product, reducing application complexity.
- No lagging or trace heating required due to its low temperature stability.

### Use instructions

Clenebrite is used at 0.4-5% w/w (0.3-3.7% v/v) causticity at temperatures ranging from ambient to 80°C depending upon application, soil type and water hardness. 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, pale yellow liquid

pH (1% solution at 20°C): 13

Relative density (20°C): 1.34

Chemical Oxygen Demand (COD): 32 gO<sub>2</sub>/kg

Nitrogen Content (N): <0.1 g/kg

Phosphorous Content (P): <0.3 g/kg

**Clenebrite [% w/w] - Specific conductivity at 25°C [mS/cm]: -**

0.5 - 8.8

1 - 17.8

2 - 33

3 - 48

4 - 64

5 - 76

*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

Clenebrite 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 Hydrochloric or sulphuric acid

Phenolphthalein indicator

##### Procedure:

Add 2-3 drops of the indicator solution to 10 ml of the test solution.

Titrate with the acid to a colourless end point.

##### Calculation:

% w/w Clenebrite = titre (ml) x 0.13

% v/v Clenebrite = titre (ml) x 0.1