

JohnsonDiversey Clenebrite

Low freezing, low foam caustic detergent for hard water

VC7

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 rings 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 – 5.0%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
Relative density at 20°C	1.34
pH (1 % solution at 20°C)	13
Chemical Oxygen Demand (COD)	32 gO ₂ /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 Material 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 mls of the test solution. Titrate with the acid to a colourless end point.
Calculation:	%w/w Clenebrite = titre (mls) x 0.13 %v/v Clenebrite = titre (mls) x 0.10

Available pack sizes

Article code	Pack size
5600064	200L
5600007	20L
7508933	900L
7508931	Bulk

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