ClearKlens Prime VH19

CIP caustic detergent with sequestrant

Description
ClearKlens Prime is a medium hard water tolerant, blended caustic detergent, used for CIP and spray washing applications in the pharmaceutical and cosmetic industries.

Key properties
- ClearKlens Prime is a low foaming liquid caustic detergent suitable for use in medium hard water.
- ClearKlens Prime is used in the pharmaceutical industry for the removal of heavy duty soiling in the fermentation broth process.
- ClearKlens Prime is suitable for use in CIP applications under conditions of high turbulence.
- ClearKlens Prime is suitable for use in tray, crate and mold cleaning applications.

Benefits
- Suitable for automatic dosing and control by conductivity ensuring consistent delivery of product.
- Low foam under high turbulence makes it easier to rinse and improve cleaning performance.

Use instructions
ClearKlens Prime is used at 1-5% w/w (0.8-3.9% v/v) for CIP cleaning depending on product residues and water hardness. For heavy duty applications concentrations up to 16% w/w (13% v/v) can be used.
ClearKlens Prime containing solutions should be thoroughly rinsed after use to remove them from all product contact surfaces.

Technical data
Appearance: Clear, pale yellow liquid
pH (1% solution at 20°C): 13
Relative density (20°C): 1.29
Chemical Oxygen Demand (COD): 30 gO2/kg
Nitrogen Content (N): 3 g/kg
Phosphorous Content (P): 1 g/kg

ClearKlens Prime [% w/w] - Specific conductivity at 25˚C [mS/cm]: -
1 - 14.28
2 - 25.76
3 - 37.55
4 - 48.75
5 - 59.65
The above data is typical of normal production and should not be taken as a specification.



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Safe handling and storage information

Store in original closed containers or (where applicable) in approved bulk tanks, away from sunlight and extremes of temperature. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

ClearKlens Prime is safe for use on materials commonly found in the pharmaceutical and cosmetic industries 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 ClearKlens Prime = titre (ml) x 0.17

% v/v ClearKlens Prime = titre (ml) x 0.13

Validated Titration Test method

HPLC Test Method

Available pack sizes:

20L can

200L drum

900L IBC

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