



F&B Divos C1

VM60

Alkaline detergent for all types of membranes

Description

Divos C1 is a new generation high active, foaming, alkaline detergent for the removal of organic & inorganic soiling from MF, UF, NF and RO membranes.

Divos C1 is based on renewable surfactants

Divos C1 has a low COD

Divos C1 is hard water tolerant

Divos C1 is phosphorous-free

Divos C1 can be used for a lot of F&B applications including dairy but can also be used for egg processing, beverage & pharmaceutical applications.

Divos C1 can be used for water fouled membranes.

Key properties

- Divos C1 has been tested and approved for use on all types of MF, UF, NF, and RO membranes.
- Divos C1 is an alkaline liquid detergent suitable for hard water.
- Divos C1 has a significantly reduced COD supporting efficient effluent treatment and lower costs
- Divos C1 is used for dairy, beverage, egg processing, water fouled and pharmaceutical applications and is highly effective in the removal of all types of organic & inorganic soiling

Benefits

- Tested on all relevant MF, UF, NF and RO membrane types and approved for use by major OEM's.
- Highly effective in the removal of fat, protein and prevents scale build up in dairy applications, increasing cleaning and production efficiency.
- Can be used in dairy, beverage, egg processing, water fouled and pharmaceutical applications where organic and inorganic soiling is present. recovering water fluxes and optimizing production capacity.
- Gives highly cost effective cleaning performance.
- Enhances cleaning efficacy, improving productivity and final product quality.

Use instructions

Divos C1 is used at concentrations of 0.1-4% v/v at 50-70°C for 30-45 minutes on MF, UF, NF & RO membranes.

The temperature & pH that Divos C1 is used at depends upon the cleaning temperature & pH tolerance of the membrane.

Divos C1 cleaning solutions should be thoroughly rinsed after use.





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Technical data

Appearance:	Clear, brownish liquid
pH (1% solution at 20°C):	12.6
Relative density (20°C):	1.22
Chemical Oxygen Demand (COD):	61 gO ₂ /kg
Nitrogen Content (N):	3 g/kg
Phosphorous Content (P):	0 g/kg

Divos C1 [% w/w] - Specific conductivity at 25°C [mS/cm]: -

0.1 –	0.9
0.5 –	4.8
1 –	9.5
2 –	18.5
3 –	27.2
4 –	35.5

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

Always ensure that you check the membrane type and temperature & pH tolerance with the customer, membrane manufacturer, or OEM before making any recommendations.

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 colorless end point.

Calculation:

% w/w Divos C1 = titre (ml) x 0.26