

Divos 124

Alkaline detergent for high pH tolerant MF & UF membranes

VM5

Description

Divos 124 is a highly active, foaming, alkaline detergent for the removal of organic and inorganic soiling from MF & high pH tolerant UF membranes.

Divos 124 is hard water tolerant.

Divos 124 has been tested and approved for use on all types of MF and high pH tolerant UF membranes.

Divos 124 is highly effective for the cleaning of membranes in Dairy applications.

Divos 124 can also be used across a wide range of other Food, Beverage and Pharmaceutical applications.

Key properties

Divos 124 is a high caustic liquid detergent suitable for hard water and safe for use on MF & high pH tolerant UF membranes.

Divos 124 has been tested on all relevant UF & MF membrane types.

Divos 124 is efficient in cleaning MF & high pH tolerant UF membranes back to their original Water Flux values.

Divos 124 is highly effective in the removal of all types of soiling from MF and high pH tolerant UF membranes and preventing scale build up.

Divos 124 is highly effective in the removal of fat, protein, or other organic soiling, in Dairy & Pharmaceutical applications.

Divos 124 is effective for the removal of organic and inorganic scaling across all Food & Beverage applications.

Benefits

- Tested on all relevant UF & MF membrane types and approved for use by major OEM's.
- Highly effective in removing organic and inorganic soiling, increasing permeation rates and returning Water Fluxes to original values.
- Is used in Dairy applications where fat, protein and milkstone is a problem, increasing permeation rates, recovering Water Fluxes and maintaining optimum production capacity.
- Is used in Food, Beverage & Pharmaceutical applications where organic and inorganic soiling is a problem, increasing permeation rates, recovering Water Fluxes and maintaining optimum processing efficiency.
- Gives highly cost effective cleaning performance.
- Enhances cleaning efficacy, improving productivity and final product quality.
- Most membrane cleaning applications are single use and dump. Consistent chemical delivery can be ensured by using automatic timed dosing, or by conductivity.

Use instructions

Divos 124 is used at concentrations of 1 - 7% w/w (0.7 – 5% v/v), at 50 – 75°C for 30 – 45 minutes on high pH tolerant UF & MF membranes.

The temperature & pH that **Divos 124** is used at depends upon the cleaning temperature & pH tolerance of the membrane.

Divos 124 containing solutions should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.



Divos[™]

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Technical data

Appearance	clear, pale yellow liquid
Relative density at 20°C	1.31
pH (1 % solution at 20°C)	12.6
Chemical Oxygen Demand (COD)	73 gO ₂ /kg
Nitrogen Content (N)	4 g/kg
Phosphorous Content (P)	3 g/kg

Divos 124 [%w/w]	Specific conductivity at 25°C [mS/cm]
0.5	6.9
1	13.3
2	25.9
3	37.4
4	49.5
5	60.4

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

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 colourless end point.
Calculation:	% w/w Divos 124 = titre (ml) x 0.179 % v/v Divos 124 = titre (ml) x 0.139

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