



# Divos<sup>®</sup> 117

# VM20

## Alkaline detergent for UF membranes

### Description

Divos 117 is a high active, foaming, alkaline detergent for the removal of organic & inorganic soiling from high pH/temperature tolerant UF membranes.

Divos 117 can also be used on low pH tolerant UF membranes.

Divos 117 is hard water tolerant.

Divos 117 is mainly used for dairy applications where high levels of calcium phosphate (milkstone) is encountered.

Divos 117 can also be used for beverage & pharmaceutical applications.

### Key Properties

- Divos 117 has been tested and approved for use on all types of UF membranes.
- Divos 117 is a medium caustic liquid detergent suitable for hard water and safe for use on all UF & MF membranes.
- Divos 117 is used for dairy applications and is highly effective in the removal of all types of organic & inorganic soiling from UF & MF membranes.
- Divos 117 is efficient in cleaning UF membranes back to their original Water Flux values.
- Divos 117 is effective for the removal of organic and inorganic scaling across other Beverage & Pharmaceutical applications.

### Benefits

- Tested on all relevant UF & MF membrane types and approved for use by major OEM's.
- Highly effective in the removal of calcium phosphate (milkstone) in dairy applications, increasing cleaning and production efficiency.
- Can be used in beverage & pharmaceutical applications where organic and inorganic soiling is a problem, recovering water fluxes and optimising production capacity.
- 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.



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### Use Instructions

Divos 117 is used at concentrations of 1-4% w/w (0.8-3.2% v/v) at 50-75°C for 30-45 minutes on high pH tolerant UF membranes.

Divos 117 is used at concentrations of 1-2% w/w (0.8-1.6% v/v) at 50-75°C for 30-45 minutes on membranes with pH tolerances 10.5-11.5.

Divos 117 containing solutions must be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.

For Food Plants and Other Industrial Use: Do not contaminate food during use and storage

### Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear, pale yellow liquid
Specific Gravity	1.24
pH (1%)	12.5
% P	0.43
% Free Alkalinity (Na <sub>2</sub> O)	9.0
% Total Alkalinity (Na <sub>2</sub> O)	11.1

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, 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 to check the membrane type, temperature and pH tolerance with the customer, membrane manufacturer, or OEM before making any recommendations.

### Test Kit

Alkaline Test Kit # 409879

### Precautionary Statement

Refer to current Safety Data Sheet.