



# Divos<sup>®</sup> 116

# VM19L

## Alkaline Detergent for UF and RO Membranes

### Description

Divos<sup>®</sup> 116 cleaner is a foaming, alkaline detergent for the removal of organic and inorganic soiling from pH tolerant reverse osmosis (RO) and nanofiltration (NF) membranes. It is hard water tolerant.

### Effective

- Effective in the removal of fat and protein, while preventing scale build-up, increasing cleaning and production efficiency
- Can be used where organic and inorganic soiling is a problem, increasing permeation rates and returning water fluxes to original values
- Enhances cleaning efficacy, improving productivity and final product quality

### Versatile

- Tested on relevant high pH/temperature tolerant RO and NF membrane types and approved by major original equipment manufacturers (OEMs)

### Cost-Effective

- When used in combination with Divos<sup>®</sup> 80-2 enzyme additive on problem RO or NF installations processing milk products, it increases cleaning efficiency
- Gives cost-effective cleaning performance

### Discussion

Divos<sup>®</sup> 116 cleaner is approved by major original equipment manufacturers (OEM) for use on UF and NF membranes. It is formulated to be effective in removal of organic and inorganic soils in various water hardness. This product can be mixed with chlorine for organic soil removal on chlorine stable UF and NF membranes. It is also used with Divos<sup>®</sup> 80-2 enzyme additive to improve protein removal.



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### Use Instructions

Divos<sup>®</sup> 116 cleaner is used at concentrations of 0.8–4 % (v/v) (8–40 mL/L) at 50–60°C (122–140°F) for 30–45 minutes on pH/temperature tolerant RO and NF membranes. The temperature and pH that is used depends upon the OEM recommended cleaning temperature and pH tolerance. Solutions should be thoroughly rinsed after use, to remove from food contact surfaces.

### Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear, pale yellow liquid
Scent	Musty
Specific Gravity	1.23
pH (1%)	12.5
% P	0.11
% Free Alkalinity (Na <sub>2</sub> O)	8.8
% Total Alkalinity (Na <sub>2</sub> O)	11.4

The above data is typical of normal production and should not be taken as a specification.

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% w/w	Specific conductivity at 25° C [mS/cm]
1	5.3
2	10.2
3	14.8
4	19.4
5	23.9

### 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 # 409239

### Precautionary Statement

Refer to current Safety Data Sheet.