



# Divos 119 CL

## Chlorinated cleaner for high pH tolerant UF and MF membranes

### Description

**Divos 119 CL** cleaner is a liquid, low foaming, chlorinated alkaline detergent used for the cleaning of chlorine stable UF and MF membranes. Can be used for cleaning UF & MF dairy applications, and can also be used for cleaning UF & MF applications in beverage, food and pharmaceutical industries.

### Benefits

- **Divos 119 CL** is highly effective in the removal of protein and other organic soil removal and prevents scale build up in dairy applications, increasing cleaning and production efficiency;
- It has been tested on all relevant chlorine stable UF and MF membrane types and approved for use by major OEMs;
- Enhances cleaning efficacy, improving productivity and final product quality.

### Key properties

**Divos 119 CL** cleaner is a liquid, low foaming, chlorinated alkaline detergent used for the cleaning of chlorine stable UF and MF membranes. It has been tested on all relevant chlorine stable UF and MF membrane types and approved for use by major OEMs. **Divos 119 CL** is highly effective in the removal of protein and other organic soil removal and prevents scale build up in dairy applications, increasing cleaning and production efficiency. When used for UF and MF installations processing milk products increasing cleaning efficiency. **Divos 119 CL** can be used in Beverage and Pharmaceutical applications on UF and MF installations, where organic soiling is a problem, recovering water fluxes and optimizing production capacity.

### Use instructions

**Divos 119 CL** is used at concentrations of 0.5 - 2.0% w/w at 50 - 65°C for 20 to 40 minutes on chlorine stable UF & MF membranes (for heavy soiled installations, the chlorine level should be maintained at 120 ppm throughout the clean). The temperature & pH that **Divos 119 CL** is used at depends upon the cleaning temperature & pH tolerance of the membrane. **Divos 119 CL** containing solutions should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.

### Technical data table

|                  |                      |
|------------------|----------------------|
| Appearance       | Clear, yellow liquid |
| Specific Gravity | 1.20                 |
| pH (1%)          | 12.5                 |

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



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### Test method

Add 7 drops of sodium thiosulphate 5% w/v solution to 10ml of test solution, mix well and allow standing for about 30 seconds. Add 2-3 drops of phenolphthalein indicator and titrate with 0.1N hydrochloric acid to a colorless end point. Note the titre (A ml). Make the same process using water instead of use solution and note the titre (B ml).

$$\% \text{ v/v Divos 119CL} = 0.30 \times (\text{A ml} - \text{B ml})$$

### Safe handling and storage information

Store in original closed containers or (where applicable) in approved bulk tank, away from sunlight and extremes of 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.

### Shelf Life

06 months