



# MIDA MEMCARE BUFFER

Alkaline additive with buffering especially  
for enzyme-based RO/UF plant cleaning

## DESCRIPTION & APPLICATION

**MIDA MEMCARE BUFFER** is designed to provide the correct alkaline pH conditions for the optimum operation of Christeyns' enzyme-based detergents.

**MIDA MEMCARE BUFFER** readily controls pH whilst providing an alkali reserve or buffer to keep the pH in the optimum range for as long as possible during the enzyme clean (during which the pH often falls).

**MIDA MEMCARE BUFFER** is free of sequestrants and surfactants.

## USE INSTRUCTIONS

The optimum pH for a Christeyns enzyme-based cleaning stage is 9.0 – 10.0.

Standard practice is to prepare the solution first for both temperature (45 – 50C) and then pH by adding approximately 0.1%v/v **MIDA MEMCARE BUFFER** and checking the pH using a meter.

(Ensure the solution is mixed and stable for a few minutes before adding the enzyme-active **MIDA MEMCARE** product).

Monitor the pH during the clean and add further **MIDA MEMCARE BUFFER SLOWLY** as necessary to keep the pH of the enzyme solution in the optimum range.

*NB: 0.1%v/v MIDA MEMCARE BUFFER is only a guide: the actual level should be determined practically as pH will depend on residual soiling present and the quality of the feed water.*

## PRODUCT CHARACTERISTICS

Main ingredients	Contains a blend of potassium-based alkalis
Visual aspect	Clear non-foaming liquid
Colour	Colourless
Odour	Characteristic of the product
pH (1% solution at 20°C)	11.8 ± 0.5
Relative density at 20°C	1.13 ± 0.05 g/ml
Solubility	Soluble in water

The values shown in the table do not constitute technical specifications

## MATERIAL COMPATIBILITY

**MIDA MEMCARE BUFFER** is suitable for use on mild and stainless steels, pure copper and most plastics.

Avoid contact with galvanised and chrome steel as well as soft metals such as aluminium and copper alloys.

## ENVIRONMENT

**MIDA MEMCARE BUFFER** does not contain chlorinated components. There is no risk of formation of absorbable organic halogens (AOX)

**MIDA MEMCARE BUFFER** complies with the European Union directive EU648/2004.

## SAFETY

Carefully read the safety data sheet of **MIDA MEMCARE BUFFER** and follow the chemical handling and disposal guidance.

## STORAGE

Store the product sealed in its original packaging between 5 and 35°C and prevent any leakage of product.

More detailed recommendations are available in the Safety section 7

## PACKAGING

**MIDA MEMCARE BUFFER** can be available in CAN, DRUM and IBC.