



MIDA MEMCARE 505

Medium alkalinity detergent for RO and NF membranes

DESCRIPTION AND APPLICATION

MIDA MEMCARE 505 is a medium alkalinity detergent, moderately foaming and easy to rinse, developed for the removal of organic and inorganic soil by Nanofiltration and Reverse Osmosis membranes which are tolerant to high levels of pH / temperature

Suitable for use even in the presence of high water hardness.

MIDA MEMCARE 505 is used in the food and beverage and pharmaceutical sectors

Main characteristics

- is a medium alkalinity detergent also suitable for high water hardness
- can be used for applications in the dairy industry with NF and RO membranes
- can be used in combination with **MIDA MEMCARE 520** (product based on enzymes) in the presence of heavily soil derived from milk and difficult to remove

MIDA MEMCARE 505 provides effective detergency improving productivity and final product quality

INSTRUCTIONS OF USE

MIDA MEMCARE 505 is used at a concentration comprised between 1% and 5% (w / w) at 50°C - 60°C for 30 - 45 minutes on NF and RO membranes tolerant to high pH / temperature levels

The above parameters may vary depending on the type and degree of soiling

Temperature and pH of use for **MIDA MEMCARE 505** must also be determined based on the values tolerated by membranes

MIDA MEMCARE 505 should be thoroughly rinsed after use to eliminate any possible residue from all surfaces in contact with food and drink

PRODUCT CHARACTERISTICS

Visual aspect	Clear liquid pale yellow
Odour	Characteristic of the product
pH (1% at 20°C)	± 12.5
Density (at 20°C)	± 1,210 g/ml
Phosphorous content (P)	1,15 g/Kg

The values shown in the table do not constitute technical specifications

TITRATION METHOD

Reagent	HCl 1N + Phenolphthalein indicator
Procedure	Take 100 ml of the solution and add 3 drops of indicator (phenolphthalein) The solution turns red-purple Add hydrochloric acid until the solution becomes colorless
Calculation	% Mida MEMCARE 505 (w/w) = ml titrants x 0.384

CORROSIVITY AND COMPATIBILITY WITH MATERIALS

Harmless on stainless steel, plastic materials PE, PP, PS, PVC
Corrodes aluminum, galvanized iron, copper and its alloys

ENVIRONMENT

MIDA MEMCARE 505 does not contain chlorinated components. There is no risk of formation of absorbable organic halogens (AOX)

MIDA MEMCARE 505 complies with the European Union directive EU648/2004.

SAFETY

MIDA MEMCARE 505 is classified as corrosive.

Hazard classification (CLP): H290 – May be corrosive to metals
 H314 – Causes severe skin burns and eye damage

Do not mix with acid.

Please consult the MSDS and follow the precautions for handling and use

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 505 can be available in CAN, DRUM and IBC.

Technical Data Sheet **MIDA MEMCARE 505**
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