



MIDA MEMCARE 518

Enzymatic product for UF plant and cross-flow filters
in the food and beverage industries

DESCRIPTION AND APPLICATION

MIDA MEMCARE 518 is a liquid additive containing a mixture of different enzymes, which is used in combination with other alkaline **MEMCARE** products when the plant capacity is compromised by the presence of an excessive organic and inorganic material deposit

The product is active even in the presence of biofilms (viscose film that adheres to the walls formed by bacteria and very solid organic polymers) transforming the polymers that make up the structure of the biofilm into simpler compounds and chemically attackable

MIDA MEMCARE 518 allows the detachment of the biofilm from the surface, leaving the underlying layers discovered, and then allowing detergents and disinfectants to ensure the optimal hygiene of the membranes

Inside of biofilms, which can be formed on the membranes, bacteria exchange information through biochemical mechanisms and consequently become much more resistant to changes in pH and disinfectants

The use of **MIDA MEMCARE 518** eliminates the biofilm and as a result the bacteria that are within the same

MIDA MEMCARE 518 contains a mixture of stabilized enzymes, including protease and lipase, which when used in combination with an alkaline cleaner MEMCARE is very effective and quick in the removal of each type of organic soil

MIDA MEMCARE 518 frees the pores of the membranes, increasing their permeability and allows to restore the full plant capacity

INSTRUCTIONS OF USE

MIDA MEMCARE 518 is used at a concentration comprised between 0,2% and 0,5% (w/w)

Recommended temperature: 40°C - 60°C with a variable contact time depending on the type of application, the type of membranes and the level of soil to be removed

After treatment **MIDA MEMCARE 518** must be thoroughly rinsed to remove all residue from the treated surfaces

PRODUCT CHARACTERISTICS

Main ingredients	Enzyme mixture, stabilizer
Visual aspect	Pale yellow liquid of varying intensity
Odour	Characteristic of the product
pH (1% at 20°C)	5,5 ± 0,5
Density (at 20°C)	1,040 ± 0,050 g/ml

The values shown in the table do not constitute technical specifications

MATERIAL COMPATIBILITY

Under normal operating conditions **MIDA MEMCARE 518** shows no corrosive activity against the surfaces and materials with which it comes into contact and which are normally present in the food and beverage industries

ENVIRONMENT

MIDA MEMCARE 518 does not contain any chlorine and hence there is no risk of the formation of organic adsorbable halogens (AOX).

MIDA MEMCARE 518 complies with the European Union Directive EU648/2004.

SAFETY

Hazard classification (CLP): H319 – Causes serious eye irritation.
 H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled

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 518 can be available in CAN, DRUM and IBC.

Technical Data Sheet **MIDA MEMCARE 518**
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