



MIDA MEMCARE ENZY

Formulated enzyme blend for filtration membrane cleaning

DESCRIPTION AND APPLICATION

MIDA MEMCARE ENZY is a formulated product for the removal of organic soiling by enzymatic breakdown of fats and proteins.

MIDA MEMCARE ENZY removes the need to use conventional chemicals, which can be corrosive and harmful to expensive membranes, and offers a safer and environmentally friendly answer to the removal of organic soiling. **MIDA MEMCARE ENZY** contains a high level blend of surfactant / organic stabilizing base, which improves wetting, helps prevent re-deposition and extends the product shelf life.

To ensure that **MIDA MEMCARE ENZY** performs at its best it should be used in conjunction with **MIDA MEMCARE Buffer**, an alkali with a high buffering power which maintains the optimum pH of the enzyme cleaning solution.

INSTRUCTIONS OF USE

Remove as much loose soiling and product as possible by carrying out an ambient water rinse of the plant for 10-15 minutes. Heat the main cleaning solution to 45-50°C and add **MIDA MEMCARE Buffer** until the pH of the solution is 9.5 – 10.0 (typically 0,05% v/v).

Add typically 0,25 – 0,5% (v/v) **MIDA MEMCARE ENZY** and circulate for 30 – 120 minutes, monitoring the pH and adjusting if necessary. The pH usually falls during the clean – keep it ideally to between 8.0 – 9,5 by adding further **MIDA MEMCARE Buffer**. Complete the clean and carry out enzyme deactivation by following with short (20 min) acid and alkali stages.

For frequent “everyday” cleans lower levels of **MIDA MEMCARE ENZY** (0,25% v/v should be sufficient).

After treatment the membranes must be thoroughly rinsed to remove all residue from the treated surfaces.

PRODUCT CHARACTERISTICS

Visual aspect	Clear to very slightly hazy pale straw, foaming liquid
Odour	Characteristic of the product
pH (neat at 20°C)	7,1 – 7,8
Density (at 20°C)	1,05 ± 0,05 g/ml

The values shown in the table do not constitute technical specifications

MATERIAL COMPATIBILITY

Under normal operating conditions **MIDA MEMCARE ENZY** 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

In case of uncertainty we recommend to evaluate individual materials before any prolonged use

ENVIRONMENT

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

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

SAFETY

MIDA MEMCARE ENZY is classified as corrosive.

Hazard classification (CLP): H318 – Causes serious eye damage.
 H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H412 – Harmful to aquatic life with long lasting effects

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 ENZY can be available in CAN, DRUM and IBC.

Technical Data Sheet **MIDA MEMCARE ENZY**
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