



Mida

# ENZY 1003

Enzymatic product for biofilm removal at room temperature in CIPs

## DESCRIPTION AND APPLICATION

**MIDA ENZY 1003** is a non-foaming enzymatic detergent formulated for curative and preventive removal of biofilms in the food industry at room temperature (optimal temperature  $\geq 20^{\circ}\text{C}$ ). The anti-biofilm treatment can be applied by recirculation in CIP systems (pipes, tanks, circuits) or by immersion/soaking. **MIDA ENZY 1003** contains a blend of enzymes combined with surfactants with a strong cleaning capacity removing fat and protein residues.

## INSTRUCTIONS OF USE

**MIDA ENZY 1003** is used at a 1% concentration for anti-biofilm preventive treatments or at 2% for anti-biofilm shock treatments with water at **room temperature** ( $\geq 20^{\circ}\text{C}$  optimum) during 30 - 60 minutes for immersion application, and during 30 - 120 minutes in CIP systems (depending on its length).

**MIDA ENZY 1003** should always be followed by a disinfection phase preferably using an oxidising disinfectant. Rinse thoroughly with water at the end to eliminate any possible residues from all surfaces in contact with food and drink.

### Recommendations:

- For preventive treatments: determine periodicity according to type of industry.
- For shock treatment: Repeat the treatment daily 1 to 3 consecutive days.
- Before an enzymatic shock treatment, it is recommended to perform an alkaline cleaning, followed by thorough rinsing to prevent enzyme deactivation.

## PRODUCT CHARACTERISTICS

Main ingredients	Anionic and non-ionic surfactants, solvents and enzymes.
Visual aspect	Clear liquid
Colour	Light yellow
Odour	Characteristic of the product
pH (100%)	$\pm 8.2$
Relative density (at $20^{\circ}\text{C}$ )	$\pm 1.06 \text{ g/mL}$

The values provided in the table do not constitute technical specifications

## MATERIALS COMPATIBILITY

**MIDA ENZY 1003** when applied at the recommended concentrations and temperatures, is compatible with all types of materials commonly used in the food industry including aluminium and soft alloys. If uncertain, it is recommended to assess each individual material component individually before extended contact

## ENVIRONMENT

**MIDA ENZY 1003** does not contain any chlorine and hence there is no risk of the formation of organic absorbable halogens (AOX).

**MIDA ENZY 1003** complies with the European Union directive EU648/2004 on biodegradability of surfactants.

## SAFETY

**MIDA ENZY 1003** is classified as health hazard.

Hazard classification (CLP): H319 - Causes serious eye irritation.

Do not mix with strong acids, strong bases, or any other product.

Please consult the MSDS and follow the guidance for handling and disposal.

## STABILITY AND STORAGE

Store the product sealed in its original packaging between 5 and 25°C and prevent any leakage of product. Do not expose to direct sunlight. More detailed recommendations are available in the Safety section 7

Shelf life: Use before the expiring date indicated on the packaging (18 month after production date).

## PACKAGING

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