

# Detar 10

## SPECIAL LIQUID ACID DETERGENT-DESCALER FOR MEMBRANE SEPARATION SYSTEMS

A liquid acid detergent-descaler, which is not surface active and is highly efficient in the solubilisation and removal of precipitates – whether inorganic and calcareous or mixed (organic and inorganic) – from the surfaces of machines, plants and separation systems.

### Optimized for separation membranes

The maintenance of work performance in the long term is a determining factor when assessing the cost efficiency of a membrane separation system.

Regeneration plays an essential role in achieving this result: for this reason, extremely precise and specific management procedures are developed, along with increasingly specialised chemical formulas. Detar 10 is the result of development aimed at managing membrane separation systems, completing the primary cleaning process for organic material. Above all in OenoFlow™ systems, which are required to operate in wildly differing conditions and be regenerated with water of varying hardness and composition, Detar 10 has demonstrated that it contributes significantly to the maintenance of the overall performance of the system over time.

### Compatibility

In normal usage conditions, Detar 10 is compatible with stainless steel; it can cause corrosion phenomena on copper, brass and mild steel.

It is not suitable for use with aluminium. Detar 10 is also extremely compatible with membrane filters, whether polymeric or not. For more specific compatibility information, contact the Perdomini-IOC Assistance Service or the membrane manufacturer if different.

### Use procedures

Detar 10 is particularly stable and can be used with concentrations ranging from 1% to 3% and at temperatures of up to 50°C, depending on the difficulty of the treatment.

For separation systems, the characteristics of the membranes often impose operative limits on the regeneration process. Therefore, the concentration conditions, pH and usage temperature of Detar 10 must comply with the limits dictated by the membrane manufacturer.

For each specific separation system using membranes, ask the Assistance Service for detailed usage procedures; for other separation systems (micro, ultra, nano or RO), the Perdomini-IOC Assistance Service can create personalised procedures.

### Completion of Detar Flow and Detar 8 action

The periodic descaling action of Detar 10 is the technical completion of the cleaning procedures of organic material carried out with Detar Flow with or without the successive potentiating phase with Detar 8, a detergent with a strong oxidising effect.

### Characteristics

Appearance: clear liquid. Colour: colourless.

pH (sol.1%, 25°C water 0°F): 1.3 - 1.4

Boiling point: > 100°C

Flash point: not applicable

Relative density: 1.30 - 1.45 kg/l

Water solubility: completely soluble

Rinsability: excellent

### Storage

Store in a cool, well-ventilated place. Frost sensitive. Storage temperature between +5°C and 30°C. Do not put the product back into the storage container after it has been taken out. Avoid contact with foreign matter, especially if it is caustic and/or contains chlorine. Close containers carefully again after use.

### Hazard designation

The product is classed as highly corrosive (symbol C) and contains nitric acid (25-35%).

Consult the relative safety sheet before handling the product.

### Pack sizes

code 252401 - 10 kg canisters

code 252412 - 25 kg canisters

code 252429 – 900 kg barrels

code 252431 - 1,100 kg barrels