

# Detar Flow

## SPECIAL ALKALINE LIQUID DETERGENT FOR CLEANING MEMBRANE SEPARATION SYSTEMS

Highly alkaline liquid detergent (EDTA free) which performs sequestering and suspending actions. Particularly effective at removing large quantities of organic fouling both from apparatus and from cross-flow membranes.

### Optimized for cross-flow membranes

In no other place do such large amounts of organic contamination accumulate than on the retentate side of cross-flow membranes. In particular during the final stage in batch production, the separated and concentrated organic components build up in layers that are especially stubborn and hard to remove.

When one process follows another without adequate cleaning in between, the result is the progressive loss of permeability in the membranes, with the further result that the quality of the filtration and the length of time it takes to complete processes are both severely affected.

Detar Flow has been specially formulated for these absolutely critical operations, especially in systems such as OenoFlow, where systematic use of Detar Flow has been shown to contribute significantly to the stabilization and long-term maintenance of the system's overall performance levels.

### Compatibility

When used as directed, Detar Flow is highly compatible with metals (especially steel) and also with a very wide range of polymeric and non-polymeric filtration membranes.

For more specific information about compatibility please contact the Perdomini-IOC Customer Support Service or the manufacturer of the membranes if they are not Perdomini-IOC.

### How to use

Detar Flow is particularly stable and can be used in concentrations varying from 1% to 3% and at temperatures of above 80°C, depending on the difficulty of the cleaning operation required.

In crossflow systems the characteristics of the membranes themselves impose the operational limits of regeneration activities. This means that the concentration, pH and temperature at which Detar Flow is used must respect the limits set by the membrane manufacturer.

For each specific crossflow system using Pall membranes, please ask for the detailed instructions for use from our Customer Support Service; for other crossflow systems (micro, ultra, nano and RO), the Perdomini-IOC Customer Support Service can provide personalized cleaning procedures.

### Characteristics

Appearance: clear liquid.

Colour: light yellow.

pH (1% sol., 25°C water 0°F): 12.0 - 13.3.

Boiling point: > 100°C.

Flammability limit: not applicable.

Relative density: 1.39 -1.44 kg/l.

Water solubility: completely soluble.

Rinsing: excellent.

### Storage

Store in a cool and well ventilated place. Avoid sub-zero temperatures. Keep at a temperature between +5°C and +30°C. Do not put the product back in the storage container once removed.

Avoid contact with foreign matter, especially other acids.

Close the package carefully after use.

### Hazard labelling

This product is classified as highly corrosive (hazard symbol C) as it contains potassium hydroxide. Before handling the product please consult the relevant safety information.

### Pack sizes

code 250721 - 25 kg canisters

code 250751 - 1,400 kg barrels