

# aquatreat<sup>®</sup>

*Fine chemicals for water treatment*

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## aquatreat<sup>®</sup> 841

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### Data sheet

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#### DESCRIPTION

- AQUATREAT 841 is a high concentrated liquid that can be used to remove hard-scale quickly.
- AQUATREAT 841 is composed of food-graded organic acids.
- AQUATREAT 841 is designed to clean membranes (ultra filtration, reverse osmosis...), heat-exchangers, boilers, piping and vessels from scales composed of hardness and corrosion products.
- AQUATREAT 841 can be used in the presence of all metals.
- AQUATREAT 841 is less hazardous compared to passivated acids as there are sulphuric and hydrochloric acid.
- AQUATREAT 841 can be used in the food industry (E 330)

#### PROPERTIES

Appearance	: colourless liquid
Solubility in water	: infinite
pH	: < 3
Density	: 1,17 ± 0,02

#### CLEANING PROCEDURE

To clean scaled equipment, a 20% - 50% solution of AQUATREAT 841 is circulated with an acid-resistant pump through the fouled equipment. If a great part of the scale consists of iron oxide, ordinary salt (sodium chloride), up to 5% of the amount of the product used, is added to the prepared solution. To fasten cleaning, the temperature of the solution is increased to 65° C. When the pH of the solution rises above 3, an amount of AQUATREAT 841 has to be added and circulation is continued until the pH does not rise anymore. This means that all scale has been removed and that the cleaning is completed. After this cleaning, a 2 % NEUTRALCAL solution or AQUATREAT 128-solution is circulated in order to neutralize remained acid and to passivate the metal. The total cleaning time will be 8 hours to a maximum of 24 hours.

For membrane-cleaning,

#### PACKAGING

Polyethylene drums of 22 or 220 litres, containers of 1000 litres.

#### HANDLING

AQUATREAT 841 is irritating. For further information, kindly consult the material safety data sheet.