

# aquatreat®

*Fine chemicals for water treatment*

Industrial zone B 122 - Nieuwlandlaan 15  
B-3200 Aarschot – BELGIUM  
Tel. +32.16.56.21.21 - Fax. +32.16.56.01.66  
E-mail: [aquatreat@aquatreat.be](mailto:aquatreat@aquatreat.be)  
Website URL: <http://www.aquatreat.be>

## aquatreat® 801

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Data sheet

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### DESCRIPTION

- AQUATREAT 801 is powder that can be used to remove hard-scale quickly.
- AQUATREAT 801 is composed by organic acids, dispersants, wetting-agents and corrosion-inhibitors.
- AQUATREAT 801 is designed to clean heat-exchangers, boiler, piping and vessels from scales composed of hardness and corrosion products.
- AQUATREAT 801 can be used in the presence of all metals currently used, except zinc and its alloys (in this case AQUATREAT SAF 810 should be used).
- AQUATREAT 801 is less hazardous compared to passivated acids as there are sulphuric and hydrochloric acid.

### PROPERTIES

Appearance	: white powder
Solubility in water	: 20 % at 15° C
pH (solution of 10%)	: < 3
Density	: 2,12 ± 0,02

### CLEANING PROCEDURE

To clean scaled equipment, a 5 to 10 % solution of AQUATREAT 801 is prepared and 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 half 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 2 kg for each 100 litres solution is added. 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 caustic soda, or soda-ash 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.

### PACKAGING

Polyethylene open-head drums of 150 kg.

### HANDLING

AQUATREAT 801 in its powder form is not as dangerous as inorganic acids which are used for the same purpose. Goggles and plastic gloves should be worn. In case of contact with skin or eyes, immediately flush with water. In case of contact with eyes, get medical attention.