

# CARECLEAN F DESCALEX P

**Inhibited acid cleaning powders for removal of water scale and rust deposits from water systems.**

- \* Inhibited to prevent acidic attack on surfaces to be cleaned.
- \* Safe on rubber, plastic and jointing materials.
- \* Easy to handle.
- \* Suitable for most common metals except zinc, aluminium and galvanised materials.

## **Application:**

Careclean F Descalex P is an inhibited sulphamic acid based products suitable for the cleaning of boilers, condensers, evaporators, butterworth heaters and pipe systems etc.

## **Directions for use:**

### **General**

1. We recommend that a preliminary test is carried out on samples of the original scale or deposit in order to select the most suitable acid cleaner and optimize concentration and temperature conditions.
2. When a boiler is soiled with light oil deposits, or if silicates and/or calcium sulphates are present, boiling out with Careclean Alkaline Extra is recommended.
3. If heavy mineral oil deposits are present in a boiler, a preliminary treatment with an emulsifying cleaner, like Careclean HD Split or Careclean HD is recommended.
4. If heavy oil deposits are present in cooling systems a preliminary cleaning with the emulsifying cleaning agent Careclean Degreaser GP is necessary.

### **Circulation Method**

1. If present, remove zinc, aluminum, galvanized steel components before commencing the cleaning operation.
2. Before cleaning with Careclean F Descalex P solution, we recommend thoroughly rinsing with water. This will partly or completely remove loose sludge, scale, etc.

3. Depending on the nature of the scale and degree of contamination, it is recommend to use a cleaning solution with a concentration of 3 - 10 kgs Careclean F Descalex P per 100 liters of water. This solution can best be prepared by continuously stirring the powder into warm water.
4. Solutions of Careclean F Descalex P may be heated to a maximum of 60o C, which will result in a quicker cleaning process.
5. During the cleaning process, inflammable and/or toxic gases may be released, therefore adequate ventilation must be provided. Avoid naked flames.
6. The length of the cleaning operation depends on the thickness and type of deposit and also on the product concentration. Generally speaking this period will be within 24 hours.
7. After cleaning, drain off the solution and neutralize it with Careclean Alkaline Extra outside the system.
8. The final rinsing can be carried out with a 1% solution of Careclean Alkaline Extra.

### **Cleaning in immersion baths**

Fill a plastic or plastic-lined bath with a solution of Careclean F Descalex P in water. (1 kg Careclean F Descalex P to 10 liters water).

Solutions of Careclean F Descalex P may be heated to a maximum of 60° C for a quicker cleaning process. Introduce the components to be cleaned into the bath and let them soak for a maximum of 24 hours, depending on the degree of scaling. Remove the components from the bath and rinse them with a powerful waterjet.

### **Properties:**

Light brown colored powder containing inhibitors and sulphamic acid. Non-flammable and not hygroscopic.

Flashpoint : None  
pH (1% solution) : 1.5

*For detailed information on safety and health, please refer to Material Safety Data Sheet and / or Product label.*

The details of our products are given completely free of undertaking. Since their application lies outside our control we cannot accept any liability for the results.