

CT- 600 Acid Cleaner

Introduction

CT- 600 is an organic & inorganic inhibited acid with surfactants, chelating agent, strong wetting agent. It also contains premium corrosion inhibitors. It helps in the removal of scales in most installations pipes, boiler, cooling towers, chillers, multi flash evaporators and multi effect systems.

CT- 600 can be used with all metals except Zinc and electro- galvanized steel.

Physical Properties

Appearance.....	Pink Liquid
S.G.....	1.04 ± 0.02.
PH.....	Less than 1
Flash Point.....	Non flammable
Odor.....	Mild characteristic
Solubility.....	Complete soluble

Application

CT- 600 can be used by circulation or by dip.

The required quantity of **CT- 600** depends on the quantity of scale to be removed.

Concentration rate is about 1.5 kg of **CT- 600** per kg of scale to be removed (as CaCO₃).

When it is impossible to know exactly the weight of scale, a solution of 10% **CT- 600** can be used.

The concentration of **CT- 600** in solution must not exceed 15% w/w

Descalant solution can be circulated through the descaling apparatus with a pump or can be stirred with compressed air (at 2 or 4 bar pressure). The idea is to renew the contact areas constantly.

Time of treatment will be defined according to the density of scale (Evolution of pH & TDS).

Temperature range: 25 to 70°C

CT- 600 when diluted, it turns to purple color, which will turn violet color when pH reaches 5.

At the end of the process, pH should fall within the range of 2.5 to 3.5, drain the solution bath and rinse with running water to eliminate any traces of acidity.

CT-450 should be used after this procedure to neutralize the effect of using **CT-600**

Handling and usage Instruction

- 1- Dilute to a ratio: 1 (product): 10 (water).
- 2- Stir the mixture.
- 3- Dip the parts that need to be treated into the mixture (increase temp up to 60 °C to accelerate the process). Dip time shouldn't exceed 36 hours.
 - In case of increasing pH value for more than 5, **CT- 600** should be added to reduce pH back to value 2.
 - Monitor pH, if no increase in its value it means no more scale to be removed.
- 4- Rinse the parts with water.
- 5- Dip in alkaline **CT- 450** for 1: 2 hrs for neutralization.
- 6- Rinse with water.

Safety & Handling

Wear protective gloves & goggles & safety suit while handling.

Storage

- Store in cool, dry and well ventilated area.
- Keep container closed after use; avoid contact with eyes & skin.

Packaging

CT- 600 is available in 25 kg plastic container.