

ProClean Acid DESCALING LIQUID

Removal of rust and limescale deposits in heat exchanger systems.

Description

ProClean Acid is a very effective acidic cleaner reinforced with amine-based inhibitors to remove limescale and corrosion deposits caused by water in heat exchanger systems such as steam/hot water boilers, heat exchangers, condensers, evaporators and induction furnaces. It should not be used on metals containing aluminum, zinc, galvanization and brass.

Directions For Use/Applications & Dosage Rates General Cleaning

Before starting the cleaning process, the amount of limescale accumulated on the surface should be determined in order to calculate the amount of ProClean Acid to be used. When calculating the amount of ProClean Acid, take into account that 3 kg of ProClean Acid removes 1 kg of limescale. It is recommended to use the acid by diluting it with water in a ratio of 1/3 or 1/4. However, if there are oil, grease and carbonized residues in the system, this dirt should be cleaned by pre-washing with ProClean APC, another product of our company, before cleaning with ProClean Acid.

ProClean Acid can be applied by circulation and immersion methods to clean the scale and corrosion deposits on iron surfaces.

The circulation method is generally applied to clean the scale and corrosion in large systems such as boilers, evaporators, heat exchangers and air heaters. In this method, the ProClean Acid solution, which is filled up to the boiler operating level, is taken from the blowdown with a pump and pumped back into the boiler from the top cover and circulated for 20-24 hours. Depending on the amount of scale accumulated on the surfaces, ProClean Acid solution is added to the system and the cleaning process is continued.

For cleaning small parts, the immersion method is usually used. In this method, the parts to be cleaned are immersed in a bath filled with ProClean Acid solution. At the same time, the solution is regularly stirred, resulting in a more effective cleaning process.

After cleaning with these methods, the system should be washed very well with water and then the system should be neutralized with 1% ProPure pH from ERTEK products until the pH value is 9-10. If a neutralization process is not carried out in this way, the formation of rust will be observed again in the system after a short time.

ProClean Acid should always be present in plastic drums. In addition, acid can be added to the water, but it should never be done the other way around.

Acid-Based Cleaner

Summary

- It easily removes tough rust and limescale deposits on all iron and iron alloy surfaces except zinc, aluminum, galvanized surfaces and steel surfaces.
- Thanks to the amine-based inhibitors it contains, it forms a protective film on copper and iron metals.
- Increases heat transfer efficiency.
- Cleaning can be done by applying directly to dirty surfaces without the need for any heating process.

A) Organic Properties

Physical State (20°C): Liquid
Color : Green
Odor : Sharp

B) Physical Properties

pH : < 1.0
Molecular Weight : -
Flash Point : No
Density : 1.10-1.20 g/cm³

Storage Conditions

Packaging Type : 25-30 liters sealed original plastic drum
Storage Period : 3 years

Approvals & Certificates



Product No : SP-KS-069