

## ProClean Safe-L DESCALEX LIQUID-3S

Limescale and rust remover on sensitive metals

### Description

It is applied to remove limescale and rust deposits formed in aluminum, copper, brass, stainless steel, boilers, cooling systems, injection machines, evaporators, seawater systems and air conditioning systems. Since it is a weak and odourless acid, it is suitable for cleaning sensitive metals.

### Directions For Use/Applications & Dosage Rates General Cleaning

Before starting the cleaning process with ProClean Safe-L, if there are mineral oil residues in the environment, we recommend that pre-cleaning with ProClean APC product is done first to remove the oil from the environment.

If the cleaning process is to be carried out by circulation method, the solution should be prepared by placing 20-30 liters of ProClean Safe-L in 80 liters of water. If an immersion bath is to be used, 2-3 liters of ProClean Safe-L should be added to 8 liters of water.. In solution preparation, water heated to 45-50°C is used, and the efficiency is even higher if thorough mixing, circulation, or aeration is applied. Cleaning should be carried out for 12-15 hours. During cleaning, we recommend that the acid solution be checked with pH paper from time to time.

As the limescale in the environment is removed, the acid pH value will increase and the acid will not work when the solution reaches a pH level of 6-7. In this case, it may be necessary to add a sufficient amount of ProClean Safe-L. If the pH value is at the level of 2-3, the acid will continue to work and show its effect.

The cleaned part should be thoroughly washed after cleaning or the product should be neutralized with our company's product by keeping it for 1-2 hours with ProPure pH's 1% solution or by circulating it. During the neutralization process, the neutrality of the environment should be checked with pH paper. If the pH value is around 6-7, the desired neutralization is achieved

Acid Based Cleaner

### Summary

- It is harmless to metals.
- It is odorless and does not threaten human health.
- Since it is a weak acid, it can be used safely, but the cleaning time may be a little longer.
- It can be applied on any metal where limescale and rust are present.

### A) Organic Properties

#### Appearance

Physical State (20°C) : Liquid  
Color : Red  
Odor : Odorless

### B) Physical Properties

pH : 0-15  
Molecular Weight : -  
Explosion Limit : None  
Flash Point : None  
Density : 1.12-1.22 g/cm<sup>3</sup>  
Solubility : Completely soluble in water.

### Storage Conditions

Packaging Type : 25-30-60-200 liters original plastic drums  
Storage Period : 3 years

### Approvals & Certificates



Product No

: SP-KS-071