

TECHNICAL DATA SHEET

STEELEX K 120

Fast Acting Soak Cleaner for Continuous Line

Steelex K 120 is a superbly built high performance soak cleaning chemical for steel sheets / rolls in a continuous cleaning line. It readily loosens and cleans coolant oil, rust preventive oils, dirt, fingerprints and grease etc. from mild steel surfaces within very short period.

Properly blended and formulated **Steelex K 120** is suitable for both emulsification and saponification of adherent oils and enhances the bath life.

OPERATING CONDITIONS :

Concentration : 4-6% w/v
Temperature : 50-80°C
Contact Time : 1-5 sec for continuous line
(5-15 minutes for dip process)

ANALYTICAL CONTROL :

Pipette out 10 ml working solution in a 250 ml conical flask. Add 2-3 drops of Phenolphthalein indicator. Titrate with 1.0 (N) Sulphuric acid till colourless end point.

Concentration :

ml of 1.0(N) Sulphuric Acid $\times f = \text{gm/lit. of Steelex K 120}$ ($f = 7.14$)

Replenishment :

To raise the concentration value by 1.0 g/lit., add 1.0 kg. of **Steelex K 120** for 100 lit. solution.

Discardal :

With gradual use of the degreasing solution, the bath will be contaminated with soil like coolant oils, degreaser, iron dust etc. Since the degreaser contains powerful sequestrants and emulsifier, solution can be used for a longtime without dumping. However, for improved operation, periodical skimmed off is necessary for floated oils.

Disposal :

The waste is strongly alkaline and should be neutralized before final discharge. Sludge deposited at the bottom of the tank should be dumped properly

Safety and handling :

While handling either **Steelex K 120** or its solution, use rubber gloves, boots, goggles etc. The solution and the powder both are strong alkali. Wash hands and other parts with sufficient cold running water if contaminated with skin. Protect eyes while handling. If necessary call a physician.

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