



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS) **RXSOL-41-8865-025** Descaling Chemical Compound for Chiller, Condenser tube of Central AC Plant

Descaling Chemical **viscous** Compound Suitable for Descaling of Copper tube of Chillers and Condenser of Air Conditioning Plant. Advanced formulation and Non Corrosive to material Non Polluting and Effective to remove Scale deposited inside Copper tubes. This Compound is Safe to handle also.

Application :::

RXSOL-41-8865-025 contains powerful dissolving agent for various mineral compounds. Early stage uses of RXSOL-41-8865-025 prohibit scales build up which results tube blockage, or regular cleaning is recommended as well. It is impossible to do a circulating cleaning when the tube is completely blocked.

* Calcium sulfate is easier to be formed when the temperature goes higher.

RXSOL-41-8865-025 shows fast dissolving property with raising of temperature up to 70 c. And on hard and thick deposition the solution is circulated for 12 to 36 hours. (Depending upon the hardness of the scales). Brushing with an iron brush gives better results in getting rid of hard scales. (Refer below **TIPS for CLEANING**)

In Melting Industry

RXSOL-41-8865-025 is often the automatic choice to do away with the scales from coils, cables, cooling jackets, heat exchangers or linings in steel plants.

Features, Benefits and Applications

- Unlimited shelf life.
- Easy to rinse off.
- Fast and effective scale remover.
- Removes scale and rust from condensers, evaporators, heat exchangers, Radiator etc.
- Removes water scale from boilers.

Descaling Chemical compound Should have following Properties

Odour	Characteristic smell
Appearance	Viscous Liquid, soluble in water
pH (Neat)	< 2.0 at 100 % concentration
Boiling point	~ 100 °C at 760 mm /Hg
Vapour pressure	105.5 at 20 deg C

Specific gravity (water=1)	1.20±0.05
Freezing point~	30 °C at 760 mm/Hg
Solubility with water at 20 degree C	100%
Flammable	Non combustible

DOSE :::

The most effective method of RXSOL-41-8865-025 is circulation for large systems or components. In the case of small components, the soak method in an immersion bath can be used.

If the equipment to be cleaned is contaminated by oil, grease, sludge or carbonised oil, then pre-cleaning with RXSOL-20-2002-SC or Rxsol-10-1006 is necessary.

RXSOL-41-8865-025 *dilute with fresh water as 5-30%, solution depending on scale.* Make a circulation system so as to allow the solution to enter through the lowest point and leave through the highest point of the equipment, which is to be descaled.

TIPS for CLEANING

Fill up the whole system with the solution and circulate through a centrifugal pump.

At the initial stages, pH of the solution is generally at 2 to 3 there is increase in the pH of the solution, during reaction. **The increase in the pH of the solution during circulation reflects on going reaction.** Add more quantity of RXSOL-41-8865-025 and continue circulation, in case of the pH level being 4.5 to 5. **If circulation of system shows constant pH 2 to 3 after time confirms the completion of the process of descaling.**

The process of descaling is checked by a periodical pH testing of the solution.

For silica scales and very hard scales, power and liquid forms of RXSOL-41-8865-025 is recommended.

For the prevention of further scaling in melting industry, RXSOL-41-8865-025 is recommended.

NOTE : After using RXSOL-16-1008-060 (After completion of descaling) rinse all equipment and metal surfaces at least one time with a 0.5% solution of RXSOL-20-2059-025 in fresh water. This solution should be circulated for 2-4 hours or until pH value comes 6-7. This will neutralize any remaining acid and passivate steel surfaces.

Precaution :::

RXSOL- 41-8865-025 should always be used in plastic bucket. RXSOL-41-8865-025 should always be added in , never add water in RXSOL-41-8865-025.

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