RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-54-1048-025
Safe Acid Descalex Liquid

Scales are very damaging to the boiler because they interfere with the heat transfer and can lead to overheating and eventually, boiler rupture , To increase usable life of cleaned equipment , it is safe and effective way to remove scale deposits from all types of water-cooled and water-heated equipment. *This descaler specifically formulated and developed to rapidly clean mineral scale* from passages in water-cooled or heated equipment. It *improves Plant Efficiency, Lowers Cost, Conserves Energy, Decreases Down-Time*.

Specifically formulated to remove rust and water scale build up from boiler evaporators, heat exchangers, cooling systems, pipeline collection system etc. Highly effective on heating. Safe and easy handling and storage . Fast and effctive scale remover .

- Non-combustible
- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Prevent run off water from entering drains if possible

It does not contain toxic cresols or other tar oils that Require SARA Title III, Section 313 spill loss or disposal.

Do not use concentrated 1008 on aluminium surfaces

Uniqueness of RXSOL-54-1048-025 **:: --**

RXSOL-54-1048-020 Descaler has the ability to dissolve approximately 1.5kg of *calcium carbonate scale* per gallon in concentrated form. It does not need to be heated up during cleaning. The uniqueness of this Descaler allows you to clean some equipment while still in operation utilizing a minimum of your own personnel.

RXSOL-54-1048-025 is mixed with fresh water 3 to 20 percent depending on deposition of scaling.

If the equipment to be cleaned is contaminated by oil, grease, sludge or carbonized oil, then first of all clean the system with degreaser RXSOL-10-1005. RXSOL-54-1048-025 should be mixed with fresh water to form a solution of 10-30%, depending on the extent of scaling. After using RXSOL-54-1048-0250 ,

PRECAUTION :::it is essential to thoroughly rinse all metal surfaces at least once with a 0.5% solution of RXSO-20-2005 in fresh water. This solution should be circulated for 2-4 hours or until an *acceptable pH value is obtained*. This will neutralize any remaining acidity & passivate steel surfaces.

Procedure-of-use: The most effective descaling is accomplished by circulation.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 or sludge, then pre-cleaning with DEGREASER (RXSOL OB 1005) is necessary. Depending on the extent of scaling, use a solution of 2.5-10% RXSOL-54-1008-025 . The solution will have a red colour which changes to orange when 85% of the acid has been neutralized , & to colourless when the solution is totally neutralized. Whenever possible, the solution should be heated to 60°C.Neutralised solutions can be re-activated by adding more RXSOL-54-1008-025 until the red colour reappears. This should not be done more than twice. RXSOL-54-1008-025 should not be used on Aluminium , Zinc, Tin or Galvanized surfaces.

Fields: Descaling of Boilers, Descaling of Diesel Engine Cooling Systems, Condenser, Pipeline collection system, Evaporators, Calorifiers, Heat Exchangers,The strength of the acid can be enhanced by adding 1part sodium chloride (common salt) to 20 parts of Descalex.If salt is not available, an acceptable alternative is to dissolve RXSOL-54-1008-025 in sea water. After use of RXSOL-54-1008-025 a 0.5% solution of Alkalinity Control in fresh water should be used for neutralization.

After using RXSOL-54-1048-025, sense all metal surfaces with 0.5 percent of RXSOL-10-1005, at least 2-4 hour , up to neutral of PH value.

• Fast and effective scale remover.
• Soft on ferrous metals.
• Removes water scale & rust from boilers/diesel engine & other cooling system
• As well as from condensers, evaporators, & heat exchangers etc

Why Use RXSOL Descaler?

- It is a safe , economical concentrated chemical to be used on the waterside of heat transfer equipment.
- You do not have to heat RXSOL-54-1048-025 .
  RXSOL-54-1048-025 is safer for the employees to use than other acid products.
- Your equipment will be cleaned in only hours without disassembling any part of the equipment. Equipment can also be cleaned without any down time (cleaning on the run).
- Cleans down to the original surface without **pitting**.
- RXSOL-54-1048-025 is *safe on copper, copper-nickel, bronze, brass, iron, stainless steel and rubber.*
- RXSOL-54-1048-025 will extend the usable life of your equipment, especially when used as a part of a regularly scheduled preventative maintenance program.

Removing the scale build up allows your equipment to operate more efficiently with less down time.

• **Automotive** - Closed Circuit Cooling, Dynamometers, Extruders, Molders, Radiators, Welders

• **Bottling** - CO2 Generators, Heaters, Exchangers, Rinse Tanks, Sterilizers, Washers

. HOUSE HOLD - Dissolves hard and old lime scale deposits from your appliances. It extends the life of the appliance and saves running

cost. It can be used in appliances such as Washing Machines, Dish Washers, Geysers, Steam Iron, Coffee Makers, Bath Tubs, Bathroom Fixtures etc.

• **Buildings** - Chillers, Cooling Towers, Pipework

• **Chemicals** - Dryers, Extruders, Kettles, Mixers, Reactors, Scrubbers, Vacuum Pumps

• **Food** - Condensers, Ice Machines, Kathabars, Refrigeration Equipment, Steam Tables

• **Manufacturing** - Chillers, Compressors, Furnaces, Quenchers, Vacuum Pumps

• **Metals** - Bearings, Castings, Fans, Hearth & Vacuum Furnaces, Shelters, Sprays

• **Mining** - Bearings, Conveyors, Filters, Presses, Process Lines, Radiators

• **Paper**- Calendar Mill Rolls, Caustic Lines, Scrubbers, Compressors, Liquor Tanks, Pulverizers, Vacuum Pumps

• **Pharmaceutical**- Exchangers, Loop Systems, Kathabars, Pumps, Reactors, Stills, Sterilizers

• **Refinery** - Compressors, Converters, Crackers, Exchangers, Piping, Pumps

• **Rubber/Plastics** - Banbury Mixers, Calendar & Mill Rolls, Extruders, Injection Molders, Molds, Temperature Control Units, Throat Coolers, Towers, Tubers

• **Steel** - Bearings, ConCast Units, Generators, Hearths, Spangle Units, Furnaces

• **Textile** - Air Washers,Compressors, Condensers, Exchangers, Extruders,Towers

Boilers

Condensers

Filters

Heat Exchangers

Kettles & Tanks

Pipelines

Pots

Reactors

Steam Jackets

Bath Rooms and Showers

Metal Processing and much more!

Applications

Automotive	**Bottling**	**Chemicals**	**Food**

- Closed Circuit Cooling - Dynamometers - Extruders - Molders - Radiators - Welders	- CO2 Generators - Heaters - Exchangers - Rinse Tanks - Sterilizers and Washers	- Dryers - Extruders - Kettles - Mixers - Reactors - Scrubbers - Vacuum Pumps	- Condensers - Ice Machines - Kathabars - Refrigeration Equipment - Steam Tables
Manufacturing	**Metals**	**Mining**	**Paper**
- Chillers - Compressors - Furnaces - Quenchers - Vacuum Pumps	- Bearings - Conveyors - Fans - Hearth & Vacuum Furnaces - Shelters - Sprays	- Bearings - Conveyors - Filters - Presses - Process Lines - Radiators	- Calendar Rolls - Mill Rolls - Caustic Lines - Scrubbers - Compressors - Liquor Tanks - Pulverizers - Vacuum Pumps
Pharmaceutical	**Refinery**	**Rubber & Plastics**	**Steel**
- Exchangers - Loop Systems - Kathabars - Pumps - Reactors - Stills - Sterilizers	- Compressors - Converters - Crackers - Exchangers - Piping - Pumps	- Banbury Mixers - Calendar & Mill Rolls - Extruders - Injection Molders - Molds - Temperature Control - Units - Throat Coolers - Towers and Tubers	Bearings ConCast Units Generators Hearths Spangle Units Furnaces
Textile	**Utilities**	**Other Applications**	

- Air Washers **- Compressors** **- Condensers** **- Exchangers** **- Extruders and Towers**	**- Boilers** **- Turbines** **- Transformers** **- Cooling Towers** **- Air Compressors** **- Hydrogen Coolers** **- Lube Oil Heat Exchangers**	**- Ball Mills** **- Demisters** **- Evaporators** **- Locomotives** **- Absorption Units** **- Diesel Generators** **- Induction Furnaces**