ESSENTIAL CHEMICAL

Scale Destroyer PC Liquid ($CaCO_3$) Biodegradable Descaler

Water Treatment Products

Concentrated Calcium Scale Remover & Deposit Remover

Application

Scale Destroyer PC is a scale and deposit remover in an effective and economical dry form. It is derived from a sulfamic acid base and is compounded with a corrosion inhibitor and a pH color indicator. It will clean heat exchange surfaces without damaging the metal, while its built-in color indicator will inform the user when the acid is consumed and when it is neutralized for discharge to the sewer. May be use in cooling water systems.

Advantages

- Cleaning of Cooling towers, chillers, Evaporator condensers
- Boilers & heat Exchangers
- Safe to handle
- Non-fuming
- General descaling applications
- Cleans systems 'on-line'
- Acceptable for food plant application

Product Data

- Color (as received): Light purple
- Color (solution pH < 2.8): Red
- Color (solution pH 2.8 - 9.2): Yellow
- Color (solution pH > 9.2): Blue
- Solubility: Complete
- Form: Liquid
- Flash Point: None
- pH (1% solution): 1-2
- Odor: None

Feeding

- Scale Destroyer PC dissolves quickly in water. It is safe to handle with a scoop or shovel for weighing and preparing dosages.

Dilution Rates:

- Normal duty: 5-10% in water (1-gallons / five gallons water)
- Heavy duty: 10-12% in water (2-2.5 gallons / five gallons water)
- See feed rate chart for cooling systems on recourses tab.
- Temperature: Scale Destroyer PC is effective in cold water, but faster results are obtained in temperatures from 140-160° F
- DO NOT overheat. The corrosion inhibitor will break down at temperatures above 180° F

Cleaning Procedures

- Recirculate Scale Destroyer PC as a red solution initially at full strength.
- As it is consumed by the cleaning process, the pH will rise to 2.8.
- The acid in the solution will then be 80-90% consumed, and the color will turn yellow.
- If additional cleaning is needed, add more product until the solution turns red.

Disposal Procedures

- Pump the spent (yellow) solution into a holding container and neutralize it with either soda ash or caustic soda until it turns blue at a pH of 9.2.
- Note: the increase in pH will cause the newly dissolved minerals to precipitate in the holding tank.
- Dispose in accordance with local regulations.
- DO NOT dispose into Storm Drain

Limitations and Handling

- For industrial use only
- Keep away from children.
- Safety Data Sheets are available in compliance with the worker's "Right to Know Law"
- If the SDS is not available, call 503.714.9781 for a replacement