



RAMYAR SHIMI CO.

Chemicals For Petroleum Industries



MP 68: A SELF- INDICATING , INHIBITED POWDERED ACID DESCALER CONTAINING SURFACTANT DESCRIPTION

MP 68 . a powdered scale remover for cleaning heat exchanger surfaces of deposits that impair efficiency . The use of MP 68 eliminates costly down time and expensive manual descaling . MP 68 contains a selected surfactant for quicker penetration into deposits . The inhibitor contained in MP 68 prevents any serious attack on the base metal after solution of heat exchanger deposits is complete .

MP 68 also contains a color indicator that shows at a glance whether the solution is at the desired strength .

DIRECTIONS

For general descaling of heat exchanger units , boilers , evaporators , etc .dissolve 10 kilograms of MP 68 for 100 liters (80 pounds of MP 68 to every 100 U.S. gallons) of water requires to fill the system . The solution should be heated to approximately 65 C. (150 F) for best results . Circulate the solution through the heat exchanger by use of a pump , or agitate the solution by bubbling steam or air through the exchanger . If steam is used for agitation , the steam should be discontinued when the temperature of the solution reaches 71 C.(160 F) higher temperatures reduce the effectiveness of the inhibitor. System should be vented to the atmosphere at all time during cleaning .

Depending on the quantity and the nature of deposits , most types of scale will be removed in 4 to 12 hours . When unusually heavy deposits are encountered , a sample of scale should be immersed in the recommended solution strength to determine the approximate time necessary for removal .

The color of an active MP 68 solution changes from red to yellow when the solution to the desired cleaning strength . Solution will again turn red .

When cleaning operation is completed , the system should be flushed thoroughly with water before being placed in operation .

In the event of contact with solution . Wash thoroughly with copious amounts of water .

APPLICATIONS

Evaporators, boilers, Butterworth, condensers and other heat exchangers .

SPECIFICATION

Form : A tan. Free-flowing powder.

Composition : A blend of inorganic acid , inhibitor and indicators .

PH (1% solution) : 1-2

Solubility : Up to 10% in cold (15.6 C . or 60 F) water.

