



# RAMYAR SHIMI CO.

Chemicals For Petroleum Industries



## ML 24: LIQUID EVAPORATOR TREATMENT

### DESCRIPTION

ML 24 . is a new and patented polymer evaporator treatment that has been developed to alter the normal crystal habits of scale forming minerals.

These minerals normally form a hard scale incrustation; however, with the use of ML 24 . the scale formation is eliminated. While the minerals incorporates special anti-foam agents that are stable and will perform even under high temperatures.

### ADVANTAGES OF ML 24 .

Greater distilled water production due to the ability to use higher steam inlet temperatures.

Greater production because of less scale build-up and better heat transfer.

Greater production due to special anti-foam agents following higher water levels.

Can remove existing scale by simply increasing dosage rate.

No need to employ “ shocking “ which may be damaging to the evaporators.

Eliminates or reduces need for acid cleaning.

Easily mixed with water.

Effective in reducing water scale formation in heat transfer equipment other than evaporators.

### COOLING SYSTEMS

Add 60cc ( 2 U.S. ounces ) daily per ton of water contained within the cooling system.

### LOW PRESSURE STEAM GENERATORS

Add 250cc ( 8 ounces ) per day per 5 ton water capacity.

### INSTRUCTONS – EVAPORATORS

Typical feeding equipment, that is, mixing tank. Flow meter control valve or proportioning pump can be used.

Inquire about ML 24 .concentrate injector . For direct metering of chemical dosage .

Dosage is based on rated evaporator capacity or actual production . Whichever is higher. The dosage rate is 1 pint for 20 tons of water produced for sea water evaporators and 1 1 / 2 pints for a fresh water evaporator.

Those evaporators designed to maintain a higher brine density, such as vapor compression types. Should be dosed at the rate of 1 1 / 2 – 2 ounces per rated ton of distillate.

EXAMPLE : If the evaporator is rated for 40 tons per day and is producing 33, dose at the rate for 40 tons or 2 pints per day if evaporating sea water and pints for fresh water evaporation.

