

## Liquid Evaporator Treatment for Evaporators

### PRODUCT DESCRIPTION

A Polymer- based additive to be used in Evaporators to prevent Scale Formation

### DIRECTIONS FOR USE

EVAPORATOR TREATMENT is a liquid based on a low molecular weight polyacrylate which inhibits the formation of carbonate and sulphate scale deposits. In addition EVAPORATOR TREATMENT will inhibit the deposition of precipitates by keeping them dispersed and conditioned to be removed by blowdown.

EVAPORATOR TREATMENT remains stable at high temperatures and does not hydrolyse & become ineffective.

### DOSAGE

The standard dosage applicable to the majority of systems is, 0.030 (30ml) litres of EVAPORATOR TREATMENT per Tonne of distillate produced. This is based on the rated production capacity of the evaporator.

The treatment is added to the dosage tank & dosed at a rate satisfactory to the flowmeter.

The brine density should not exceed a density of 1.038. The scaling potential increases rapidly over this level. An increase in the amount of EVAPORATOR TREATMENT used will assist in retaining potential scale forming salts in suspension.

### DOSING METHOD

Via the dosage tank. The dosing point may vary with type and make of evaporators. As a general rule, the EVAPORATOR TREATMENT should be dosed into the sea feed line before entering the heater.

### PHYSICAL PROPERTIES

Appearance: Pale to amber liquid

Odour: Mild

Density: 1.08

pH: 11.6

Thermal Stability of Polymer: 250°C

### FEATURES & BENEFITS

- § Liquid product, easy to feed
- § Prevents the formation of adherent deposits.
- § Alters the structure of precipitated solids . Resultant reduction in cleaning frequency & maintenance cost.
- § Improves distillate purity.
- § Easy to monitor, brine density measurements only required.
- § Used in conjunction with Marine Chemicals standard range of boiler water treatments.

### APPLICATION:

- § Use to prevent deposits in evaporators