



KEM – ET – A **(Antiscale for Evaporators)**

DESCRIPTION

KEM – ET – A is a new generation, advanced, anti-scaling liquid product, formulated from a synergistic blend of scale control chemicals used in evaporators and multi-stage flash evaporators.

The specially selected ingredients in KEM – ET – A combine with the potential scale forming salts in the brine to prevent them from adhering to heat transfer surfaces. These precipitated solids are held in suspension and removed with the evaporator brine.

KEM – ET – A is a version based on phosphonates and is an acidic product.

SPECIFICATION

Appearance	: Clear amber liquid
pH	: < 2
Solubility	: Soluble in water in all proportions.
Boiling point	: > 100 °C

ADVANTAGES

1. Increases the production of the water.
2. Improves the quality of the water.
3. Efficient in any temperature.
4. Non toxic - The water produced is suitable for human consumption.
5. Reduces downtime and maintenance.
6. Will gradually remove existing scale when dosed at twice the normal rate.

APPLICATION

KEM – ET – A is normally added to the evaporator at the rate of 1 - 10 gr per ton of distillate produced depending on the density of the brine, but the recommended dosage is 2 P.P.M.

The brine density should not exceed 1.038 g/cm³. The scaling potential increases over this level. If the brine density exceeds this level, the dosage should be increased proportionately.

KEM – ET – A will clean up moderate amounts of deposits. In this case double the dosage rates.

SAFETY

KEM – ET – A is a non toxic but acidic product, so all the necessary precautions for handling acids should be taken.(see M.S.D.S.)

KEM – ET is officially approved by the :

- a) Greek Navy
- b) Greek Power Corporation

Also, it is considered as a non-toxic product, suitable for food industries approved by the Benakion Institute.

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