

DESCRIPTION

AMEROYAL® evaporator treatment is a liquid combination of active polymer and anti-foam used to prevent scale deposition in high and low pressure evaporators. AMEROYAL treatment is proven effective in seawater, brackish and fresh water. AMEROYAL® treatment may be used to remove existing scale deposits.

AMEROYAL® treatment is used or approved for use in evaporators by the following organizations: U.K. Board of Trade, Norwegian State Institute, Sasakura-Atlas, Japan Food Medical Association, and the Yokohama City Institute of Health.

APPLICATION & USE

When seawater is treated with AMEROYAL® evaporator treatment, the polymers prevent the scale forming minerals in the water from precipitating crystal growths in their normal manner. The scale forming crystal patterns are altered so that they cannot adhere tightly to themselves or the metal surfaces and cannot impede heat transfer. The detached solids are held in suspension and ultimately carried out of the evaporator with the overboard discharge brine.

AMEROYAL® treatment is diluted with fresh or seawater and fed continuously to the evaporator inlet line, directly to the evaporator shell or just prior to any external heat exchanger. Feed AMEROYAL® treatment by means of the DREW™ Beta Metering System (PCN 1AA8978) or the DREW Gravity Metering System (PCN 1AA8977).

The recommended dosage rate is 30 mls per ton of distilled water produced per day based on the rated capacity at normal operating temperature and brine density. If brine density is increased, the dosage should be increased proportionately. In scale removal, a dosage rate of 60 mls per ton per day is recommended accompanied by increased overboard discharge.

FEATURES

- Polyelectrolyte scale inhibitor
- Does not contain any phosphates
- Contains an antifoam

EVAPORATOR DOSAGE CHART

Rated Capacity (Tons)	Liters
5	0.15
10	0.30
15	0.45
20	0.60
25	0.75
30	0.90
40	1.20
50	1.50

TYPICAL PROPERTIES

Appearance: Clear to slightly hazy amber liquid
 pH (undiluted): 13.0
 Specific Gravity @ 25 °C 1.015
 Flash Point (PMCC): None
 Miscible with salt or fresh water in all proportions

NOTE: Always wear the appropriate personal protective equipment when using this product.

PACKAGING

AMEROYAL® evaporator treatment is available in 25-liter containers (PCN 0024406).

IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

BENEFITS

- Prevents scale and minimizes acid cleaning or cold shocking
- Can remove existing scale, thereby reducing the need for acid cleaning
- Does not form adherent sludges
- Prevents foaming and carry over



Contact your Drew Marine representative for more information

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