DESCRIPTION

ERBRANE is a scale inhibitor for RO systems. Scale and Iron fouling of the RO membranes will reduce system performance and lead to premature membrane replacement. Precipitation of scale and deposits build up on the RO membrane which leads to poor permeate quality, low permeate production, unscheduled downtime, increased water consumption and increased energy costs.

Chemical Name   : Reverse Osmosis Antiscalant

Document No   : SP-KS-182

Trade Name   : **ERBRANE**

 Usage   : Reverse Osmosis Systems, for protecting the system from scale

A. ORGANIC PROPERTIES

Appearance

Physical State (20°C) : Liquid

Color   : Transparent yellowish liquid

Odor   : Odorless

B. PHYSICAL PROPERTIES

pH   :2.0 – 3.0

Molecular weight   : -

Explosion Limit   : None

Flash point   : None

Relative Density   : 1.10 – 1.20 g/cm3

Solubility   : Completely soluble in water.

APPLICATION, FEATURES & BENEFITS

✓ It prevents scale forming on membranes.
✓ Very low dose rates.
✓ Compatible with wide range of RO membranes.

STORAGE & TRANSPORTATION

Packed in original plastic jerry cans of 25-30-60-200 L. Storage period is 3 years.

DIRECTIONS FOR USE/APPLICATIONS & DOSAGE RATES

ERBRANE is an effective, organic based chemical, which prevents inorganic scale and deposit formations over   membrane surfaces by avoiding the crystallizations on membranes. It is more effective in waters has inorganic scales inside like $CaCO_3$, $CaSO_4$, $BaSO_4$, $SrSO_4$, CaF_2. It is effective on dissolved and un-dissolved iron as well. The ideal dosage is between 2-10 ppm. The row materials inside are appropriate to FDA. It is recommended to operate the dosing pump with the highest possible frequency and to adjust the dosage by adjusting the pump stroke to ensure membrane protection. The feed point location should be as close to the RO membrane as practical but one that ensures good mixing with the feedwater prior to entering the RO system. Typically this is before the cartridge filters.