



**Mid South Chemical Co., Inc.**

5681 HWY 4

Ringgold, LA 71068

Toll Free: 800.264.6055

Phone: 318.894.7301

Fax: 318.894.9532

Email: info@midsouthchemical.com

## Product Bulletin

### RO 1304

#### Maximum Performance Silica Antiscalant

RO 1304 is designed to inhibit silica, sulfate, and carbonate scales and disperse colloidal particles in membrane separation systems. RO 1304 is unique in that it inhibits silica scaling at much higher concentrations than typical antiscalants, a feature which may allow significantly increased RO system recovery in high silica feedwaters.

#### Advantages:

- \*Compatible with all reverse osmosis membranes from leading manufacturers.
- \*Inhibits a variety of carbonate and sulfate scales including calcium carbonate (CaCO<sub>3</sub>), calcium sulfate (CaSO<sub>4</sub>), barium sulfate (BaSO<sub>4</sub>), and strontium sulfate (SrSO<sub>4</sub>).
- \*Dispersant properties reduce colloidal and silt fouling of membrane surfaces.

#### Product Description:

Product pH.....	3.0-4.0	Weight/Gallon .....	9.5
Flash Point.....	None	Freeze Point (approx.) .....	26°F
Appearance.....	clear, amber liquid	Specific Gravity.....	1.1-1.2

#### Product Application:

The feed dosage of RO 1304 is based on the availability of a reliable feedwater analysis and details of operating conditions. Generally, a dosage of 2-5 ppm is sufficient for good control. Feed RO 1304 at a point after sand or other media filters and before the final cartridge filter, at a place where good in-line mixing will occur. Feed directly from the drum or dilute product with permeate water for feed to the system.

#### Handling:

For industrial use only. Keep this and all other chemicals out of reach of children. Avoid contact with eyes or skin. Use with adequate ventilation and avoid breathing vapors. In case of contact, immediately flush eyes (lifting upper and lower lids) or skin with large amounts of water for at least 15 minutes. Call a physician.

#### Storage:

Do not allow product to freeze.

#### Packaging:

5 gallon pail .....	48 lbs	15 gallon drum.....	143 lbs
30 gallon drum.....	285 lbs	55 gallon drum.....	522 lbs