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## Product Bulletin

### RO 1300

#### Membrane System Antiscalant/Antifoulant

RO 1300 is a highly effective, multi-purpose antiscalant and antifoulant for reverse osmosis systems. It works as a dual function additive in that it prevents the formation of inorganic scale by effectively increasing the solubility of inorganic salts. RO 1300 also prevents iron fouling of the membranes by holding soluble iron in solution and dispersing insoluble iron. RO 1300 maximizes membrane efficiency and reduces the potential for damage .

#### Advantages:

- \*Certified to NSF/ANSI Standard 60 for use in reverse osmosis systems producing potable water
- \*Effective silica and calcium salt antifoulant in all water types
- \*Compatible with most leading RO membranes
- \*Enables recovery rates to be maximized
- \*Excellent iron and scale dispersant
- \*Liquid product, safe and easy to handle



#### Product Application:

The feed dosage of RO 1300 is based on the availability of a reliable feedwater analysis and details of operating conditions. However, it is common to use low feed dosages to maintain scale-forming minerals in suspension or solution. Generally, a dosage of 5-8 ppm product in the feedwater is sufficient for good control. If contaminants levels are extremely high, a slightly higher dosage level may be necessary. RO1300 is NSF certified to maximum use of 11 mg/L in the system.

#### Product Description:

Product pH.....	2.5-3.5	Weight/Gallon .....	10.09
Flash Point .....	None	Melting Point .....	0°C (32°F)
Appearance .....	Clear Liquid	Specific Gravity.....	1.21

#### Feeding:

Feed RO 1300 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 .....	50 lbs	15 gallon drum.....	151 lbs
30 gallon drum.....	303 lbs	55 gallon drum.....	555 lbs