

SpectraGuard™ 205 SC antiscalant/dispersant is a concentrated performance chemical pretreatment that controls inorganic salts, metal hydroxides, and colloids in RO feedwater. Its unique performance characteristics provide users with more complete control of system feed water chemistry, reducing membrane fouling and minimizing cleaning requirements. SpectraGuard™ 205 SC is compatible with all membrane types and system components.

Features / Benefits

- Stable molecular structure maintains integrity in high pH, high temperature and high salinity applications
- Compatible and will not precipitate in the presence of feedwater sources that contain metal oxides
- Classified for use in membrane systems producing drinking water

Uses

- Control of calcium carbonate, calcium sulfate, barium sulfate, calcium fluoride, silica, and hydroxides of iron and aluminum

Specifications

Appearance	Clear amber liquid
pH (1% solution)	1.60 – 2.20
Density (kg/liter)	1.10 – 1.35

Packaging

Pail: 5 gallon/18.9 liter

Tote: 275 gallon/1,040 liter

Drum: 55 gallon/208 liter

Bulk: available upon request

For special packaging options, please contact PWT or your local distributor.

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CONCENTRATED, LIQUID REVERSE OSMOSIS ANTISCALANT

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General Mixing & Application Instructions for SpectraGuard™ 205 SC

1. Typical dose rates are 0.18 to 0.56 mg/l
2. Contact Professional Water Technologies™ or your local distributor for custom chemical dosing recommendation

ProDose XPRT™ – Scaling Prediction Software

PWT proprietary scaling prediction software, ProDose XPRT™ provides immediate dosage capabilities for our specialty chemicals. The software can create cases to study multiple operating conditions, and directly enter concentrate analyses leading to the optimal selection of PWT product and dosage. ProDose XPRT™ can generate complete and comprehensive reports detailing the scaling projections.

ProDose XPRT™ is available upon request only.

Please contact your PWT representative for more information.

The screenshot displays the PWT ProDose software interface. At the top, there is a navigation bar with various parameters: UNITS (US), TEMPERATURE (Fahrenheit), PERMEATE FLOW (81.00), RECOVERY (75.0%), ANTISCALANT (SpectraGuard Liquid), DOSAGE (2.95 PPM), SOURCE (Well Water), PROJECT NAME (Project 1), and CASE (1). The main interface is divided into several sections: PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT. The OVERVIEW section includes fields for CLIENT NAME (City of San Diego), PROJECT NAME (Project 1), LOCATION, PREPARED BY, DATE (5/11/2016), and WATER TYPE (Well Water). The MEASUREMENTS section shows PRESET UNITS (CGS, Metric, U.S.), TEMPERATURE (Deg F), FLOW RATES (Gal/min), and MASS UNITS (lb). A table titled 'TOTAL CASES (1 AVAILABLE)' shows a single case with a modified date of 5/27/2016. The interface also includes a sidebar with icons for each section and a bottom navigation bar.



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