

OrganoGuard™ 111 is an 11x concentrated chemical pretreatment developed to reduce the adhesion of organics to the membrane surface and other ancillary equipment. OrganoGuard™ 111's ability to effectively disperse organic foulants present in feed waters makes it a great addition to any pretreatment regimen. Ideal for systems plagued with organic fouling issues, OrganoGuard™ 111 ensures stable performance with superior control of the feed water chemistry.

Features / Benefits

- 11x concentrate (111) significantly reduces freight and inventory requirements
- Phosphate-free formula to reduce negative impact on the environment
- Stable molecular structure maintains integrity in high pH, high temperature and high salinity applications
- Classified for use in membrane systems producing drinking water (ANSI/NSF Standard 60)

Uses

- For reverse osmosis (RO) and nano-filtration (NF) membranes
- Can be blended with other pretreatment formulations from Professional Water Technologies™ to reduce chemical dosing equipment

Specifications

Appearance	Clear liquid
pH	1.60 - 3.00
Density (kg/liter)	1.10 - 1.20



Packaging

Pail: 5 gallon/ 18.9 liter
 Drum: 55 gallon/208 liter

Tote: 275 gallon/ 1,040 liter
 Bulk: available upon request

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

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 LIQUID PROCESS AID

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General Mixing & Application Instructions for OrganoGuard™ 111

1. Typical dose rates is 0.09 mg/l per 1 mg/l of TOC
2. Contact Professional Water Technologies™ or your local distributor for custom chemical dosing recommendation

ProDose XPRT™ – Scaling Prediction Software

ProDose XPRT™ uses the most accurate scaling prediction calculations available to accurately determine effective antiscalant dosage, and cleaning chemical usage. The user can enter multiple cases to study various operating conditions, directly enter concentrate analysis, and select the best PWT product and dosage for the application.

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:** Includes fields for CLIENT NAME (City of San Diego), PROJECT NAME (Project 1), LOCATION, PREPARED BY, DATE (5/1/2016), and WATER TYPE (Well Water).
- MEASUREMENTS:** Features preset units (CGS, Metric, U.S.), temperature (Deg F), flow rates (Gal/min), and mass units (lb). An "Enter" button is present.
- COMMENTS (OPTIONAL):** A large text area for user input.
- TOTAL CASES (1 AVAILABLE):** A table with columns for "Cases" and "Modified Date". The table shows one case with the number "1" and the date "5/27/2016".
- Selected Case Description:** A field for additional details about the selected case.

A sidebar on the left contains navigation icons for PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT. The bottom of the interface has a series of navigation dots and arrows.



PWT Headquarters & Manufacturing
1048 La Mirada Court, Vista, California 92081

Toll-Free: 800.914.9072 | Direct: 760.639.4400 | Fax: 760.639.4439
Email: sales@pwtchemicals.com | www.pwtchemicals.com



Headquarters: 54/18 Bui Quang La, Ward 12, Go Vap District, HCMC, Viet Nam
Office: 12 DHT10B, Dong Hung Thuan Ward, District 12, HCMC, Viet Nam
Phone: (028) 6258 5368 - (028) 6291 9568
Email: info@atswatertechnology.com
Website: www.atswatertechnology.com