

PERFORMANCE BENEFITS:

- A powerful, odorless dechlorinating agent that is more stable than typical sodium bisulfite liquids.
- Stabilized to prevent off-gassing, making it ideal for indoor use.
- Extremely economical when compared to other methods of chlorine removal and more effective than activate carbon.
- An ideal option for eliminating issues associated with carbon beds, including carbon fines in downstream feedwaters.

AntiChlor 427 is a modified, odorless liquid sodium bisulfite formulation used to remove free and combined chlorine from reverse osmosis (RO) feedwaters. This food-grade chemical is stabilized to prevent off-gassing, making it ideal for indoor installations. AntiChlor 427 liquid is also less prone to air oxidation than equivalent solutions and has a longer shelf life when compared to straight sodium bisulfate solutions.

AntiChlor 427 removes chlorine more effectively than activated carbon and eliminates many of the issues associated with carbon beds, including bacterial growth and carbon fines in downstream feedwaters.

INSTRUCTIONS FOR USE
Dechlorinating

The use rate of AntiChlor 427 for free chlorine is 6 mg/l of neat AntiChlor 427 for each mg/l of free chlorine. The neat use rate for combined chlorine (monochloramine) is 8.2 mg/l of neat AntiChlor 427 for each mg/l of combined chlorine.

The following table lists AntiChlor 427 feed rates as a function of feedwater chlorine concentration. The table bases values upon a feed rate of 100 gpm (22.7 m³/hr) and a 100% theoretical required dosage.

Free or Combined Chlorine mg/l as Cl ₂	Free Chlorine Feed Rate ml/minute	Combined Chlorine Feed Rate ml/minute
0.2	0.37	0.50
0.5	0.95	1.26
1.0	1.85	2.52
1.5	2.78	3.78

Multiplying the AntiChlor 427 feed rate by 1.2 provides a 20% safety factor. Always confirm chlorine removal by direct chemical analysis.

PRODUCT INFORMATION
Stability

When diluting the solution, use the minimum agitation necessary to achieve proper mixing. The freeze point for this formulation is 40-50°F (4.4-10.0°C).

Packaging and Storage

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request. Product should be stored at a temperature greater than 41°F (5°C) to prevent seed crystal formation.

SPECIFICATIONS

Appearance: Clear, colorless to pale yellow liquid
pH (as supplied): 5.8-6.4
Specific Gravity (@ 25°C): 1.10-1.35

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	45 lb	25 kg
Drum	500 lb	230 kg
IBC tote	2500 lb	-

Please consult your sales representative for further technical or logistical details and always review the SDS before use to ensure suitable safety precautions are followed.

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