

## Performance:

AntiChlor® 427 offers an array of performance benefits:

- Odorless
- Superior chlorine removal
- Stabilized formulation
- No off-gassing
- Extremely economical to use
- Removes chlorine more effectively than activated carbon
- Eliminates issues associated with carbon beds including carbon fines in downstream feedwater
- Longer shelf life than typical bisulfite liquids

AntiChlor® 427 is an odorless, liquid sodium bisulfite (SBS) modification used to remove free and combined chlorine from reverse osmosis (RO) and ultrafiltration (UF) system feedwaters. While traditional SBS blends have a strong, pungent odor, AntiChlor 427 is virtually no aroma. It's also less prone to air oxidation than equivalent solutions and has a longer active shelf life. AntiChlor 427 removes chlorine more effectively than activated carbon and eliminates many of the issues associated with carbon beds including carbon fines in downstream feedwaters and bacterial growth.

### Use Instructions:

#### De-Chlorination:

In general, the usage rate is 5.9 ppm of AntiChlor 427 for each ppm of total chlorine. The following table lists AntiChlor 427 feed rates as a function of **total** chlorine concentration of the feedwater. The values are based upon a feed rate of 100 gpm (22.7m<sup>3</sup>/hr) and 100 percent of theoretical required dosage. Free and combined chlorine dosages are identical.

Total Chlorine, ppm	Feed rate, mL/min
0.2	0.4
0.5	1.0
1.0	2.0
1.5	3.0
2.0	4.0
2.5	4.9
3.0	5.9

Multiplying the AntiChlor feed rate by 1.2 will provide a 20 percent safety factor. Always confirm chlorine removal by direct chemical analysis.

### Packaging and Storage:

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request.

AntiChlor 427 will degrade slowly when exposed to air and has a shelf life of approximately six months in open containers or tanks. When diluting the solution, use the minimum agitation necessary to achieve proper mixing. The freeze point for this formulation is 39°F (4°C).

Specifications	
Appearance:	Clear liquid, Colorless to pale yellow
pH:	5.8 – 6.4
Specific Gravity:	1.10 – 1.35

Packaging Formats	Americas	EMEA
Pails:	45 lbs	23 kg
Drums:	500 lbs	230 kg
IBC's (totes):	2500 lbs	1100 kg

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