

Performance:

AntiChlor® 30 offers an array of performance benefits:

- De-activates chlorine to protect downstream RO membranes
- Compatible with polyamide and cellulose acetate membranes.
- Can be used to preserve membranes for storage.
- On-line biostat of membrane systems.
- 30% sodium bisulphite (NaHSO₃) contains 20% active sulphur dioxide (SO₂).
- Extremely economical to use when compared to alternative methods of chlorine reduction.

AntiChlor® 30 is a 30% minimum sodium bisulphite liquid. It's used to deactivate residual chlorine in the feedwaters to downstream reverse osmosis membrane systems. It can also be used as a mild non-oxidizing biocide or a membrane preservative.

Use Instructions:

De-Chlorination:

In general, the usage rate is 5.3 ppm of AntiChlor 30 for each ppm of total chlorine. The following table lists AntiChlor 30 feed rates as a function of **total** chlorine concentration of the feedwater. The values are based upon a feed rate of 100 gpm (22.7m³/hr) and 100 percent of theoretical required dosage.

Total Chlorine, ppm	Feed Rate, mL/min
0.2	0.33
0.5	0.80
1.0	1.70
1.5	2.50
2.0	3.30
2.5	4.10
3.0	4.90

Sanitizing:

AntiChlor 30 can be used as an alternative sanitizer when non-oxidizing biocides cannot be applied. Recirculate a 1% solution through the membrane system for 30-60 minutes. Because organic byproducts may be produced during the inoculation of bacteria and other microorganisms, it is highly recommended that the system be cleaned with an alkaline formulation such as RoClean P111 or RoClean L211 prior to start-up.

Preserving:

Recirculate a 3% wt solution through the membrane system for 30 minutes. Ensure that the system is completely full and close the system valves to prevent draining. Check the pH weekly and replace the solution if the pH changes.

Packaging and Storage:

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request. AntiChlor 30 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.

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

10/09

