

Performance:

AntiChlor[®] 30 offers a variety of performance benefits:

- De-activates chlorine that can damage downstream polyamide membranes
- Compatible with polyamide and cellulose acetate membranes.
- Effective preservative for stored membranes
- On-line bio-control for membrane systems
- 30% sodium bisulfite (NaHSO₃) contains 20% active sulphur dioxide (SO₂).

AntiChlor[®] 30 is a 30% (minimum) solution of sodium bisulfite which is used to de-activate residual chlorine in the feedwater to membrane systems. It can also be applied as a mild, non-oxidizing agent for bio-control or as a membrane preservative.

Instructions for Use

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

In systems where non-oxidizing biocides cannot be used, AntiChlor 30 can be applied as an alternative. Recirculate a 1% solution through the membrane system for 30-60 minutes. It is recommended to follow use by an alkaline cleaner such as RoClean P111 or RoClean L211, to remove organic breakdown products produced by the inoculation of bacteria and other microorganisms.

Preserving

Recirculate a 1% wt solution through the membrane system for 30 minutes. Ensure the system is completely full. Close the system valves to prevent draining. Check pH weekly and replace solution if pH changes.

Stability:

AntiChlor is slowly degraded by air and its shelf life in open tanks is approximately six months. If AntiChlor is to be diluted within a day tank, use the minimum agitation necessary to mix AntiChlor with water.

Packaging and Storage:

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide and information on drumless or bulk tanker is available on request.

Specifications	
Appearance:	Pale yellow liquid
pH (as supplied):	3.5 - 5.5
Specific Gravity@20°C:	1.15 - 1.30

Packaging	Americas	EMEA
Pails	50 lb	25 kg
Drums	500 lbs	250 kg
IBC's (totes)	2500 lbs	1250 kg

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