

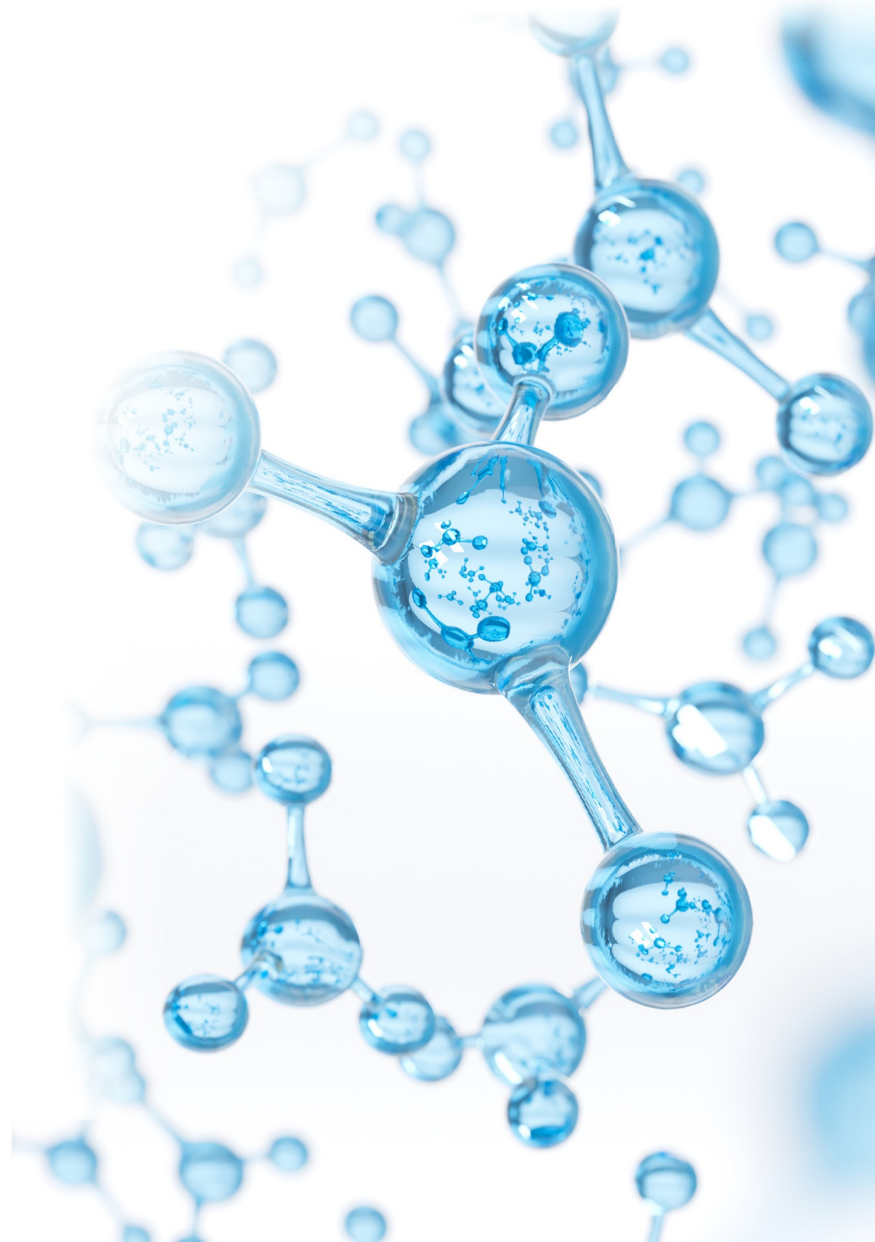
Water Wisdom

Bisulfite Dosing 101



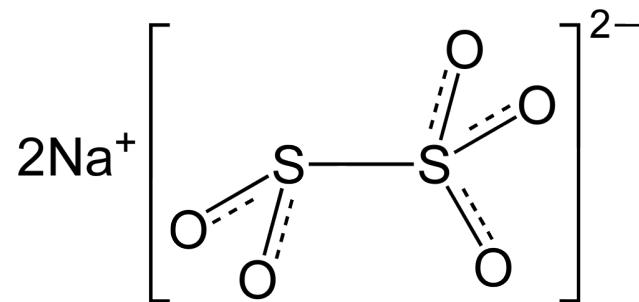
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Water Wisdom- Bisulfite Dosing 101

Day Tanks & Dosing



Sodium Bisulfite is a common industrial water treatment chemical used to protect certain equipment by removing Free Chlorine or Chloramines from raw water. It can be in Sulfite, Bisulfite, or Metabisulfite forms.

Water Wisdom- Bisulfite Dosing 101

Day Tanks & Dosing



Bisulfite is injected as a solution and can be bought dry or pre-mixed. Solutions have a limited shelf life dependent on concentration.

Dry = 6 Months

30% Solution = 6 Months

20% Solution = 1 Month

10% Solution = 1 Week

Water Wisdom- Bisulfite Dosing 101

Day Tanks & Dosing



Day Tanks are typically sized for 1 Week to 1 Month of use. A tank mixer is required when using dry Bisulfite and recommended when using liquid Bisulfite. Mixers can be manual or automatic.

Water Wisdom- Bisulfite Dosing 101

Day Tanks & Dosing



Dosing rates are field set dependent on local Chlorine concentration. A good rule of thumb is 3.0 mg/L of Bisulfite for every 1.0 mg/L Total Chlorine.

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Day Tanks & Dosing



Dosing pumps should be sized for consistent injection and mixing. A good practice is to combine a lower solution strength with a larger pump. The faster dosing rate provides better results compared to intermittent dosing of a strong solution.

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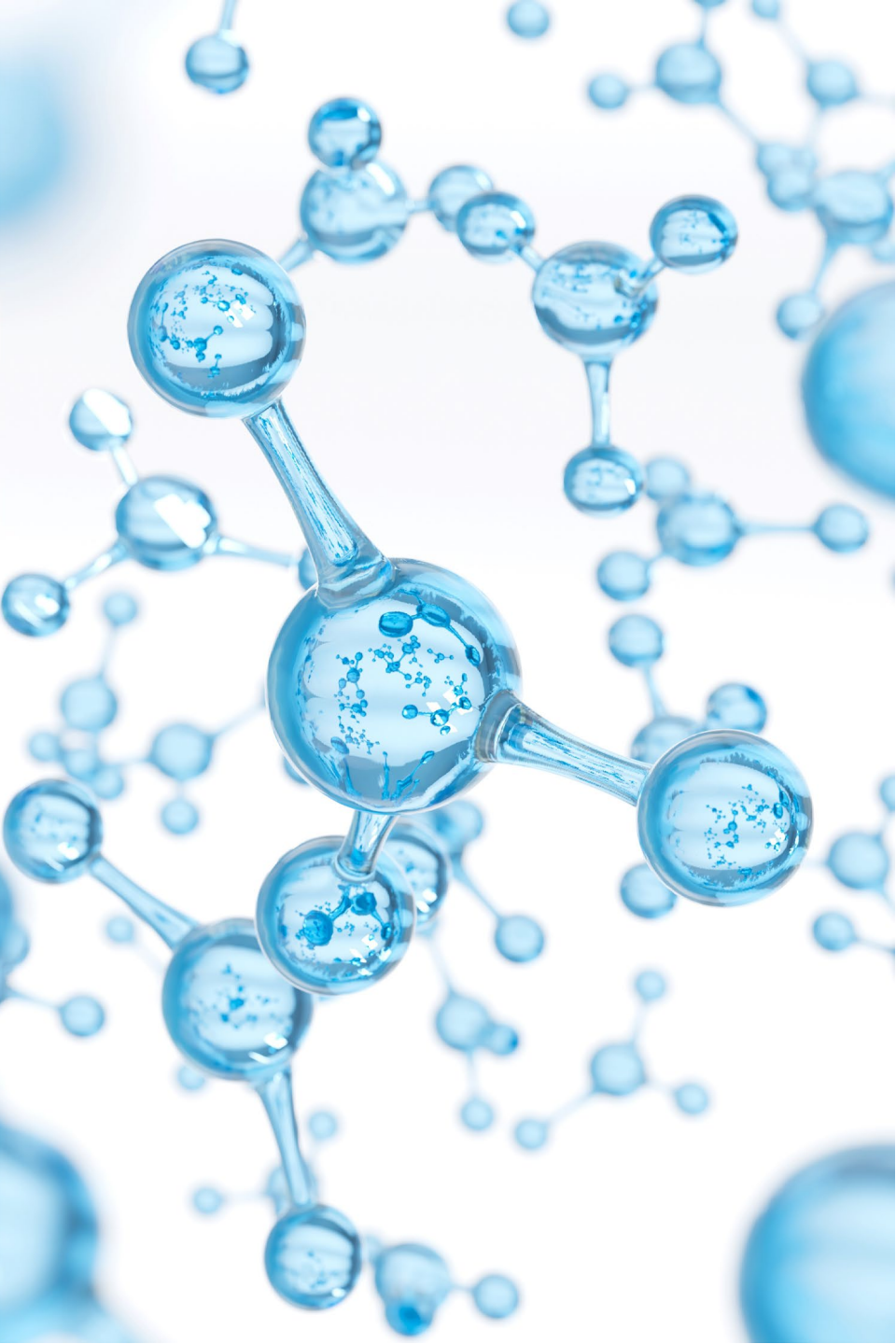
Day Tanks & Dosing



Bisulfite has a pungent odor. Consider locating storage and dosing pumps off-skid in a separate, well-ventilated area.



Remember to review Safety Data Sheets and don PPE before handling!



Stay tuned for
our next episode...

Bisulfite Dosing 101- Common Failure Methods of Bisulfite



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