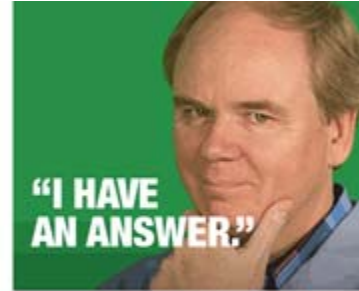


THANK YOU FOR SUBMITTING YOUR QUESTION...



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A Cargill Deicing Technology Product

Your question:

After mixing salt brine and storing into a 5000 gallon tank does it change after sitting for a period of time such as salt settling?

My answer:

If you are mixing a simple sodium chloride brine with no other additives, there should be no changes or settling in the brine during storage provided that the temperature stays above the salting-out point for the brine concentration. People most commonly make salt brine at a concentration of 23.3% sodium chloride as this concentration gives the lowest storage temperature possible for salt brine (-6 °F or -21 °C). So as long as your 23.3% sodium chloride brine stays above -6 °F, it should not show any settling no matter how long it stands. The only thing that might change that would be if the storage tank allowed evaporation to occur. If you made a 23.3% sodium chloride brine and some of the water evaporated over time, the brine concentration would rise and it would drop some salt out at temperatures above -6 °F.

Providing customers with deicing solutions that save lives, enhance commerce and reduce environmental impact.