

## Handling & Storage

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### *Sodium Aluminate Solution*

*Sodium aluminate solution is a suspended solids solution of alumina in sodium hydroxide. Under ideal conditions the solution is completely stable and should exhibit no tendency to settle or precipitate. However, several mechanisms exist may cause harm to sodium aluminate solution. Therefore we require the following handling and use procedures to guarantee the quality of your sodium aluminate solution.*

*If you follow these basic rules you should have no difficulty in the handling and storage of sodium aluminate solution.*

**Do Not Allow Material to Come in Contact with Moisture.**

Contact with moisture will cause the precipitation of alumina from the solution. Therefore keep containers tightly sealed and free of moisture and humidity. Make sure all storage tanks, lines, valves, and containers are clean and dry before adding sodium aluminate.

**Do Not Allow Material to Become Contaminated by Foreign Matter.**

Contact with dust, dirt, or other materials may cause precipitation. Small contaminating particles act as agents for the suspended solids solution to bind with and cause precipitation. Therefore keep containers and storage containers tightly sealed.

**Do Not Disburb Material.** Avoid constant agitation, recirculation, cavitation, heating and cooling or other activities which will contribute to the mixing of contaminatnts into the material.

**Remember: Keep it dry, keep it sealed, keep it from freezing and keep it from moving.**

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