



Product Data Sheet

Soda Ash

Industrial Applications & Civil Engineering

Soda Ash is a granular powder form of Sodium Carbonate, primarily used to optimize the make-up water that Bentonite and/or polymers will be mixed with. Specifically, the product will condition and soften make-up water and increase its pH. Soda Ash will also lower the hardness to <100 ppm by eliminating Calcium ions. Under these conditions, Bentonite and/or polymers will hydrate better, ultimately leading to lower product usage.

Typical Properties

Parameter	Test method / In accordance with	Required
pH (10% solution in water)	-	11,6
Solubility in water	-	212 gr./liter
Grain size	-	0.04 - 1 mm
Na ₂ CO ₃ content	-	99% min
NaCl	-	0,15% max
Colour	-	White
Form	-	Powder

Mixing & Application

Add 0,5 – 1,0 kg/m³ Soda Ash to the make-up water to obtain the following properties: pH 8,5 – 9,5, Total hardness < 100 ppm. Mixing Soda Ash in a fluid with a lower pH and elevated Calcium will immediately increase pH. Keep on mixing the Soda Ash for approx. 10 minutes, allowing the calcium ions to precipitate.

Soda Ash is available in 25 kg bags.

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In so far as we can ascertain the above-stated information is correct. However, we are unable to provide any guarantees with regard to the results that you will achieve with this. This specification is provided on the condition that you determine yourself to what degree it is suitable for your purposes.