



Product Data Sheet

Sodium Bicarbonate

Civil Engineering

Sodium Bicarbonate (NaHCO_3) is a white crystalline powder, used in Civil Engineering operations as an additive to precipitate Calcium. The product is commonly introduced to Microtunneling and Diaphragm & Slurry Wall operations after cementing or when cement contamination occurs; Sodium Bicarbonate will effectively decrease pH and Calcium ions content.

Advantages

- Decreases pH & Calcium ions content.
- Stimulates the controlling of cement-affected Bentonite suspension properties.

Typical Properties

<u>Parameter</u>	<u>Test method / In accordance with</u>	<u>Required</u>
NaHCO_3 content	-	min. 98%
Na_2CO_3	-	max. 1.5%
NaCl	-	max. 0.006%
H_2O	-	max. 0.2%
Solubility in water @ 20 °C	-	95 g/l
pH (5% solution in water)	-	8.1 – 8.4

Recommended Use

Mixing Sodium Bicarbonate in a fluid with elevated pH and Calcium will immediately decrease pH. Keep on mixing the Sodium Bicarbonate for approx. 10 minutes, allowing the calcium ions to precipitate.

Sodium Bicarbonate is available in 25 kg bags.

Version; 02-2021

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.