



# BICARBONATE®

SODIUM BICARBONATE

PRODUCT DATA SHEET

BICARBONATE® is effective at lowering the pH of drilling slurry. BICARBONATE maintains a pH of 8.0-9.0 which is why it is useful at lowering the pH of drilling slurry from a pH of 12-13 (alkaline) to a pH range of 8.0-9.0. BICARBONATE is a cushion that acts as a buffer to maintain a pH of 8.0-9.0. This lowers pH, or bases, which raise pH, are added to the slurry solution.

## BENEFITS

- pH neutralizer
- Lowers pH when concrete impacts the slurry
- Safe to use, cannot be overtreated

TYPICAL PROPERTIES	
Appearance	White fine powder
pH	8.0-9.0
Specific Gravity	2.16
Bulk Density	2.20 g/cm <sup>3</sup>

**MIXING INSTRUCTIONS:** BICARBONATE can be added into the drilling slurry system directly. It should be added slowly through a MATRIX Hydro-Mixer. Add BICARBONATE until a pH of 8.0–9.0 is achieved. The recommended mix dosage is 8-9 lb per 1,000 gallons of mix water. If you are using a 20,000 gallon mixing tank then add 160-190 lb.

**PACKAGING:** BICARBONATE is packaged in 50 lb (22.68 kg) pails, 36 pails per pallet. All pallets arrive wrapped in orange stretch wrap.

**AVAILABILITY:** BICARBONATE neutralizer and pH buffer can be purchased through any MATRIX Construction Products Representative. [Orders@matrixcp.com](mailto:Orders@matrixcp.com)



The information contained herein is believed to be accurate and reliable. MATRIX Construction Products, LLC (MATRIX) accepts no responsibility for the results obtained through application of this product. MATRIX reserves the right to update information without notice. For the most current information see our website [matrixcp.com](http://matrixcp.com).

PDS UPDATED JANUARY 2024

