



Sodium Bicarbonate



PRODUCT DESCRIPTION

Sodium bicarbonate is the alkali you reach for when precision matters more than strength. Because it buffers rather than driving pH hard, it is difficult to overdose — which is exactly what you want when treating a cement-contaminated mud or holding a treatment system inside a narrow permit window. It is also the leading dry sorbent for acid gas removal from flue gas.

TYPICAL SPECIFICATIONS

PROPERTY	VALUE	BASIS
Chemical formula	NaHCO_3	Per standard
NaHCO_3 purity	99.5% minimum typical	Typical
Appearance	White crystalline powder	Typical
Grades available	Fine · Standard · Coarse	Typical
Moisture	0.2% maximum typical	Typical
Buffered pH in solution	≈8.3 typical	Typical

PRINCIPAL INDUSTRIAL APPLICATIONS



Flue Gas Treatment

Dry sorbent injection for SO_2 , HCl, and acid gas removal — high capture efficiency without wet scrubber infrastructure.



Drilling Fluids

Treats cement and gypsum contamination in water-based muds, with a buffered response that makes over-treatment far harder than with soda ash.



Water Treatment

Adds alkalinity and stabilizes pH in municipal and industrial systems without the overshoot risk of stronger alkalis.

PACKAGING & AVAILABILITY

- 50 lb bags

HANDLING & STORAGE

Low hazard and non-caustic. Store dry and below 120°F — bicarbonate decomposes to soda ash at elevated temperature.

A Safety Data Sheet (SDS) is available for this product on request and should be reviewed before handling.

ORDERING & TECHNICAL SUPPORT

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IMPORTANT NOTICE

The information in this data sheet is provided in good faith and is believed accurate at the date of issue. Values marked "Typical" represent commercial norms and are not a specification; the certificate of analysis for your specific shipment governs. Values marked "Per standard" are requirements of the cited standard. Mix Minerals makes no warranty, express or implied, regarding suitability for any particular application. The user is responsible for determining suitability and for safe handling in accordance with the applicable Safety Data Sheet.