MIX MINERALS

SERVING TX, NM, LA, OK & NORTHERN MEXICO

TECHNICAL DATA SHEET

Issue date: August 2026
Revision: 1.0

$NaHCO_3$

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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