

TECHNICAL INFORMATION SHEET

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SUBJECT: **BIG HORN® 12**

Specially sized pure sodium bentonite for binding, sealing, and general granular application.

COLOR: Light Gray

TYPICAL CHEMICAL ANALYSIS:	%
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
Other	.07
H ₂ O	7.75
L.O.I.	4.37

E.P. TOXICITY ANALYSIS:

	E.P.A. Standard ppm	Typical Analysis ppm
Arsenic	5.0	< 0.1
Barium	100.0	0.5
Cadmium	1.0	< 0.05
Chromium	5.0	< 0.1
Lead	5.0	< 0.1
Mercury	0.2	< 0.02
Selenium	1.0	< 0.05
Silver	5.0	< 0.1

SPECIFIC GRAVITY: 2.55 ± 0.1

BULK DENSITY (lbs/ft³): 63 ± 3

TYPICAL PARTICLE SIZE:

U.S. Std. Sieve Size	% Retained
8 mesh	.6
10 mesh	3.1
16 mesh	22.5
20 mesh	13.7
40 mesh	33.1
50 mesh	8.8
60 mesh	2.8
100 mesh	8.1
200 mesh	4.6
-200 mesh	2.7

TYPICAL CHARACTERISTICS:

Wet Screen Analysis	
Residue on U.S.	
Sieve No. 200	3.0 ± 0.5
pH	9.1 ± 0.4
Moisture Content - %	6-10
Cation Exchange Capacity (CEC meq(100 gm))	70-90
Swell (cc/2 gm)	20 ± 4

USES:

Livestock feed binder, sealant, soil amendment, and absorbents.