



TECHNICAL INFORMATION

SOLIDIBOND™ HE

Description: **SOLIDIBOND™ HE** is a specially sized pure sodium bentonite for use in liquid aqueous waste solidification.

Typical Characteristics:	Bulk Density (lbs./ft³):	55 ± 2
	Cation Exchange Capacity (meq(100gm):	70 – 90
	Colloid Content (%):	>85
	Color:	Light Grey to Tan
	Free Swell (cc/2gm):	>16
	Moisture Content (%):	5 - 12
	pH:	9.0 ± 0.5
	Sieve Analysis (% Passing #200 Sieve):	>73
	Specific Gravity:	2.55 ± 0.1
	Surface Area (m²/gm):	External Surface – 82 All Surfaces - 800
	Wet Screen Analysis (Residue on #200 Sieve):	3.0 ± 0.5

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
H ₂ O	7.75
Other	.07
L.O.I.	4.37

E.P.A 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

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