



# TECHNICAL INFORMATION

## SOLIDIBOND™ NM

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

<b>Typical Characteristics:</b>	<b>Bulk Density (lbs/ft<sup>3</sup>):</b>	63 ± 3
	<b>Cation Exchange Capacity: (CEC meq(100gm))</b>	60 – 90
	<b>Colloid Content (%):</b>	>85
	<b>Color:</b>	Light Grey to Tan
	<b>Free Swell (cc/2gm):</b>	>16
	<b>Moisture Content:</b>	6% - 10%
	<b>pH:</b>	9.0 ± 0.5
	<b>Specific Gravity:</b>	2.55 ± 0.1
	<b>Surface Area (m<sup>2</sup>/gm):</b>	External Surface – 82 All Surfaces - 800

Typical Sieve Analysis:	Sieve Size	% Retained
	#4	0.23
	#8	41.18
	#12	40.63
	#20	17.42
	Pan	0.48

Typical Chemical Analysis:	%
SiO <sub>2</sub>	60.34
Al <sub>2</sub> O <sub>3</sub>	19.28
Fe <sub>2</sub> O <sub>3</sub>	3.48
Na <sub>2</sub> O	2.34
TiO <sub>2</sub>	.22
CaO	.38
MgO	1.67
K <sub>2</sub> O	.10
H <sub>2</sub> 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

Rev 3/17