



# TECHNICAL INFORMATION



## CLEAR TREAT® 1040

**Description:** CLEAR TREAT® 1040 is a specially selected and sized pure sodium bentonite formulation for water treatment use.

<b>Typical Characteristics:</b>	<b>Bulk Density (lbs/ft<sup>3</sup>):</b>	62 ± 3
	<b>Cation Exchange Capacity (CEC meq(100gm):</b>	70 – 90
	<b>Color:</b>	Light Grey to Tan
	<b>Free Swell (cc/2gm):</b>	20 ± 4
	<b>Moisture Content (%):</b>	6 - 9
	<b>pH:</b>	9.1 ± 0.4
	<b>Specific Gravity:</b>	2.55 ± 0.1
	<b>Surface Area (m<sup>2</sup>/gm):</b>	External Surface – 82 All Surfaces - 800
	<b>Wet Screen Analysis (Residue on #200 Sieve):</b>	3.0 ± 0.5

**Typical Sieve Analysis:**

Sieve Size	% Retained
#20	0.12
#40	22.13
#100	53.35
#200	16.32
Pan	8.08

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

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