



## Manufacturing Standard Specifications

**Version: 100901 - GEO 320-3060**  
**Diatomaceous Earth and Montmorillonite Clay**

### PHYSICAL PROPERTIES

Bulk Density	43 Pound per Cubic Foot
Free Moisture	0 Percent
Wet Breakdown	<1 Percent
Dry Breakdown	<25 Percent
Oil Retention	>75 Percent
Water Retention	>100 Percent
Volatile Classification	LVM
Loss on Ignition @ 1000C	<6.33 Percent
PH	7.0
Hardness	80
Particle Count	8.0-10.0 million/pound

### PARTICLE SIZING

>30 Mesh (0.600mm)	.3 Percent
<30 Mesh (0.600mm)>60 Mesh (0.250mm)	99.0 Percent
<60 Mesh (0.250 mm)	.7 Percent
<100 Mesh (0.150 mm)	0 Percent

### CHEMICAL ANALYSIS

Silica (SiO <sub>2</sub> )	75.29 Percent
Aluminum (Al <sub>2</sub> O <sub>3</sub> )	9.25 Percent
Iron (Fe <sub>2</sub> O <sub>3</sub> )	2.90 Percent
Calcium (CaO)	1.86 Percent
Magnesium (MgO)	1.65 Percent
Potassium (K <sub>2</sub> O)	1.57 Percent
Sodium (Na <sub>2</sub> O)	0.14 Percent
Titanium Dioxide (TiO <sub>2</sub> )	0.55 Percent
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.45 Percent

### MINERALOGICAL ANALYSIS

Major Components	Fuller's Earth
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### FREIGHT CLASSIFICATION

Crushed Clay in Bags - NMFC# 48170 - Class 50 – Harmonization Code 2508.20.0000

### REGULATORY APPROVALS

This product is classified as processing aid and has Generally Recognized as Safe (GRAS) status from the Food and Drug Administration (FDA). Chemical Name: Fuller's Earth (CAS 8031-18-3).