

# **SAFETY DATA SHEET (SDS)**

# SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier TerraFill® Deep Series (Bentonite)	Grade M200 BENT
Product Use	
Manufacturer's Name ALLTEC LLC	
Street Address 64 Catalyst Drive	
City Canton	State North Carolina
Zip Code 28716	Emergency Telephone 828-646-9290
Date SDS Prepared 4/25/2017	SDS Prepared By ALLTEC LLC

#### SECTION 2 — HAZARD INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV	% (optional)
Bentonite	1302-78-9		Recommended TLV Respirable dust = (10/(% respirable quartz +2)) mg/m³. Total dust = (30/ (%quartz + 3)) mg/m³	
Silica	14808-60-7	NIOSH REL= 0.05mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>	2-6

# **SECTION 3 — PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: NA		Specific Gravity	
		$(H_2O = 1) 2$	
Vapor Pressure (mm Hg)	NA	Melting Point	Above 1000 C
Solubility in Water	Negligible	Appearance and	Black powder or grain.
pH	NA	Odor	No odor or slight sulfurous odor.

#### SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

**Extinguishing Media**Use water, foam, sand, or dry chemical

Special Fire Fighting Procedures Not combustible

Unusual Fire and Explosion Hazards None

# **SECTION 5 — REACTIVITY DATA**

StabilityStableConditions to AvoidNoneIncompatibility (Materials to Avoid)NoneHazardous Decomposition or ByproductsNoneHazardous PolymerizationWill not occur

# **SECTION 6 — HEALTH HAZARD DATA**

Route(s) of Entry:	innalation? Yes	Skin? No	ingestion? Yes	
Carcinogenicity:	Silica	NTP? No	IARC Monographs? Yes	OSHA Regulated? No
Monograph Vol. 68, 1997, concludes that				_
there is sufficient evidence that inhaled				
crystalline silica causes cancer in humans.				
IARC Classification Group1				
Health Hazards	Eye Contact: Contact	ct with eyes may ca	ause severe mechanical irritation.	
(Acute and Chronic)	Ingestion: Although	not soluble and ora	ally non-toxic, ingestion of large qu	uantities of bentonite can
	result in gastrointesti	nal irritation and blo	ockage.	
	Inhalation: Shortnes	s of breath may oc	cur. Prolonged exposure may res	ult in pulmonary fibrosis,
	emphysema, and cor	pulmonale. Inhalat	ion of silica may result in silicosis.	
	Skin Contact: Mecha	anical irritation may	y result.	

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# TerraFill® Deep Series (Bentonite)

Signs and Symptoms of Exposure	Eye contact: Redness, irritation.  Inhalation: Shortness of breath, nose and or throat irritation. Sputum may be stained with bentonite	
	powder. Mucus emanating from nasal passages may be stained with bentonite powder. Skin directly adjacent to nose and mouth may be stained with bentonite powder.  Skin Contact: Irritation and redness.	
Medical Conditions Generally Aggravated by Exposure	Emphysema, asthma and other respiratory problems aggravated by suspended particulates.	
Emergency and First Aid Procedures	<b>Eye Contact:</b> Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.	
	Skin Contact: Wash with mild soap, and water.  Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention.	

#### SECTION 7 — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Sweep or vacuum. Try to minimize dusting.

Released or Spilled
Waste Disposal Method
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Precautions to Be Taken in Handling and

Storing

Other Precautions

Handle and transfer in a manner that minimizes dust. Store away from oxidizing agents.

Bentonite will absorb water and become sticky and slick. Bentonite on walking surfaces may become very slippery when wet.

#### SECTION 8 — CONTROL MEASURES

Respiratory Protection (Specify Type) Avoid prolonged or repeated breathing of bentonite dust. If exposure may or does exceed

occupational exposure limits use a NIOSH-approved respirator to prevent overexposure.

Ventilation:

Use ventilation as required to maintain dust concentrations below TLV.

**Eye Protection** Safety glasses or goggles.

**Gloves and Other Protective Clothing** 

Work/Hygienic Practices

Wear gloves and protective clothing to reduce skin contact.

Keep work area clean. Use adequate dust collection and ventilation to maintain dust levels below

the ACGIH-TLV.

# **SECTION 9 — ECOLOGICAL INFORMATION**

Assessment	Bentonite clay is inert and insoluble and is not expected to present any environmental hazard.
Persistence and degradability: Bentonite clay will not degrade further under normal conditions. This form of water absorbing mineral clay is stable	
and insoluble under	ambient conditions.
Bioaccumulation:	There is no evidence indicating that bentonite clay is bio-accumulative.
Aquatic Toxicity:	ata not available.
Soil Mobility: Not determined, however bentonite clay is not expected to have mobility in soil as it is an insoluble, inorganic substance	

# **SECTION 10 — DISPOSAL CONSIDERATIONS**

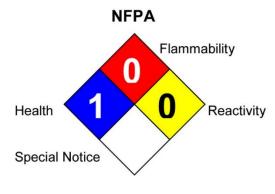
**Disposal:** All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. THE ALLTEC LLC HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: reclaimer, landfill, or waste water treatment system.

# HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 PERSONAL PROTECTION E

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