

Distributed by

Rainbow Technology Corp.

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RTC Product #7156

Material Safety Data Sheet

Montmorillonite

Section I: Manufacturer

Moltan Company
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Material Name: Safety Absorbent, Plus, Natural Binder, Product G, Red Plus,
Red Diamond, Blue Tube

Chemical Name: Montmorillonite

Prepared: June 01, 2000

Section II: Hazardous Ingredients/Identity Information

<u>Ingredient</u>	<u>CAS Number</u>	<u>Approx. %</u>	<u>Exposure Limit</u>
Montmorillonite	1302-78-9	87	PEL: 5mg/m ³ TWA respirable fraction TLV: 10mg/m ³ TWA respirable fraction TLV: 10mg/m ³ TWA inhalable fraction
Crystalline Silica (Quartz) 3-4% Respirable	14808-80-7	10	PEL: 5mg/m ³ /%SiO ₂ +2TWA TLV: 0.1mg/m ³ TWA
Crystalline Silica (Cristobolite)	14464-46-1	3	PEL: 6mg/m ³ /%SiO ₂ +2TWA TLV: 0.05mg/m ³ TWA

Section III: Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (Water=1)	2.2
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	<1.0%	Appearance & Odor:	Tan to gray odorless solid

Section IV: Fire & Explosion Hazard Data

Flash Point	N/A	Flammable Limits	N/A
Extinguishing Media	N/A	LEL N/A	UEL N/A

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable Hazardous Polymerization: Will not occur

Hazardous decomposition products: None

Incompatibility: Unsaturated organic compounds, such as turpentine and vegetable oil generate and hydrofluoric acid may generate heat upon mixing with dry clay.

Safety Data Sheet (SDS)

MSDS/Montmorillonite

Section VI: Health Hazard Data

Routes of Entry	Inhalation? Yes	Skin? No	Ingestion? No
Health Hazards (Acute & Chronic)	Chronic: Years of exposure above the TWA/PEL may cause silicosis.		
	IARC has classified crystalline silica as a probable carcinogen.		
Carcinogenicity: NTP? Respirable	IARC Monographs? 68	OSHA Regulated? Yes	
Signs & Symptoms of Exposure: Cough and shortness of breath			
Medical Conditions Aggravated by Exposure: Asthma and other preexisting respiratory and lung diseases			
Emergency & First Aid Procedures: If symptoms occur, remove to fresh air.			

Section VII: Precautions for Safe Handling & Use

In Case of Release or Spill:	Sweep up and reuse or dispose in sanitary landfill		
Storing & Handling Precautions:	None	Other Precautions: None	

Section VIII: Control Measures

Respiratory Protection	Use NIOSH approved dust mask when high dust levels are present.		
Ventilation: Local Exhaust	Yes	Special	None
Mechanical	N/A	Other	None
Protective Gloves	None	Eye Protection	Safety glasses
Other Protection	None	Work/Hygienic Practices	Minimize dust

Section IX: Other Information

NFPA Rating: Health=1, Fire=0, Reactivity=0 HMIS Rating: Health=1, Fire=0, Reactivity=0

TSCA: All product components are listed on the EPA TSCA or exempt from notification requirements.

Canadian DSL: All product components are listed on the Canadian Domestic Substance List or exempt from notification requirements

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