

# Material Safety Data Sheet

Palmetto Vermiculite Company, Inc.  
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## Section I – Product Identification

Trade Name : Vermiculite Aggregate, Grade A – 2  
Chemical Name : Hydrated Magnesium-Aluminum-Iron-Silicate  
CAS Number : 1318-00-9

### NPCA-HMIS Hazard Index

Health : 0      Flammability : 0      Reactivity : 0      Personal Protection : E

## Section II – Hazardous Ingredients / Identity Information

<u>Ingredient, Chemical &amp; Common Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>% by Weight</u>
Hydrated Magnesium - Aluminum-Iron-Silicate	Not Estab.	Not Estab.		100

\* Contains no Asbestos and less than 1% free silica.

OSHA Nuisance Dust standard of 20 million particles/cu.ft. of air and/or 15 mg./cu.m. total dust and 5 mg./cu.m. of breathable dust apply in when handling this product.

NOTE : Components are not included in SARA TITLE III “ List of Lists. “ See SARA TITLE III for reporting requirements.

## Section III – Physical / Chemical Characteristics

<u>Boiling Point</u>	> 1000° C	<u>Specific Gravity</u>	2.2 – 2.4
<u>Vapor Pressure</u>	Nil	<u>Vapor Density</u>	N/A
<u>Melting Point</u>	> 1000° C	<u>Solubility In Water</u>	None
<u>Evaporation Rate</u>	N/A	<u>pH ( in water )</u>	6 - 9
<u>Appearance &amp; Odor</u>	Accordion shaped, beige to tan particles. Particle size varies. There is no odor.		

## Section IV – Fire And Explosion Hazard Data

<u>Flash Point</u>	None	<u>Flammability Limit</u>	None	<u>LEL</u>	None	<u>UEL</u>	None
<u>Extinguishing Media</u>	As suitable for surrounding fire.						
<u>Unusual Fire &amp; Explosion Hazards</u>	None – Material is Incombustible.						
<u>Auto Ignition Temperature</u>	None						

## Section V – Reactivity Data

<u>Stability</u>	Stable
<u>Conditions to Avoid</u>	None
<u>Incompatibility ( Materials to Avoid )</u>	None
<u>Hazardous Polymerization</u>	Will Not Occur

## Section VI – Health Hazard Data

<u>Routes of Entry</u>	
<u>Inhalation</u>	Dusts may be irritating and harmful
<u>Skin</u>	Not harmful
<u>Ingestion</u>	Totally Inert – Non Toxic
<u>Eyes</u>	May cause irritation and injury as a foreign body
<u>Health Hazards ( Acute / Chronic )</u>	None known or expected
<u>Carcinogenicity</u>	
<u>NTP</u>	Ingredients not on list
<u>IARC Monographs</u>	Ingredients not on list
<u>OSHA Regulated</u>	Ingredients not on list
<u>Signs and Symptoms of Exposure</u>	Repeated exposure to dusts without use of nuisance dust protection may result is respiratory irritation, pulmonary injury or disease.
<u>Medical Conditions Generally</u>	None known or expected
<u>Aggravated by exposure</u>	
<u>Emergency and First Aid</u>	If inhaled, get fresh air. If symptoms persist, consult physician. In case of eye contact, flush with water. If tearing, blinking or irritation continues, consult a physician.

## Section VII – Precautions for Safe Handling and Use

<u>Steps to be taken if material is released of spilled</u>	Sweep or vacuum material into a container for reuse or disposal in accordance with Federal, State, and Local Regulations.
<u>Waste Disposal Method</u>	This material, unless contaminated, may be disposed of as clean fill or used as a soil conditioner.
<u>Precautions for Handling And Storage</u>	Store in cool, dry ventilated area. Use normal precautions for lifting and transporting heavy loads.

## Section VIII – Control measures

<u>Respiratory Protection</u>	NIOSH approved Nuisance Dust Mask
<u>Ventilation</u>	Local exhaust adequate to control dust.
<u>Protective Gloves</u>	Optional
<u>Eye Protection</u>	Optional