

Material Safety Data Sheet – Vermiculite

I. Product Identification

Trade Name (as labeled): Therm-O-Rock Vermiculite

Manufacturers Name: Therm-O-Rock West, Inc.

Website & Email: www.thermorock.com
general@thermorock.com

Address: 6732 W Willis Road #5014
Chandler, AZ 85226

Phone: (520) 796-1000

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II. Product Ingredients

Ingredient Name	CAS Number	%	PEL (total)	TLV (total)
Vermiculite	1318-00-9	100	15 mg/M3	10mg/M3
Quartz	14808-60-7	<0.1%	0.1 mg/M3	0.05 mg/M3

Vermiculite is hydrated magnesium-aluminum-iron silicate mineral.

Comments:

Vermiculite is not specifically listed in the OSHA List of *Hazardous and Toxic Substances* (Hazard Communication Standard 29 CFR 1910.1200) but would be regulated under the heading "Particles Not Otherwise Regulated (PNOR). The product is classified by ACGIH as a "Nuisance Dust" or "Particulates Not Otherwise Classified" (PNOC).

III. Physical Properties

Vapor Density:	N/A	Melting point or range °C:	1000
Specific Gravity:	N/A	Boiling point or range °C:	>1000
Solubility in Water:	N/A	Evaporation rate:	N/A
Vapor Pressure :	N/A	pH:	Neutral
Physical State:	Solid		
Density – Expanded:	55-13- g/l (3.4-8.5 lb/cf)		
Density – Ore:	800-1100 g/l (52-71.5 lb/cf)		
Appearance and odor:	Odorless light to dark brown flakes, resembles mica.		

IV. Fire and Explosion

Flash Point, °F:	N/A Vermiculite is noncombustible and non-flammable.	
Flammable limits:	N/A	
Fire Extinguishing materials:	N/A	
_____ water spray	_____ carbon dioxide	_____ other
_____ foam	_____ dry chemical	
Special fire fighting procedures:	N/A Incombustible mineral.	
Usual fire & explosion hazards:	N/A	

V. Health Hazard Information

SYMPTOMS OF EXPOSURE for each potential route of exposure:

Routes of Entry:	Inhalation, open wounds and eyes.
Health Hazards:	Nuisance dust – avoid breathing dust.
Carcinogenity:	N/A

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Acute:	None
Chronic:	Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.

Target Organ:

None

FIRST AID EMERGENCY PROCEDURES:

Inhaled:

Remove affected individual from dusty area to area with clean air.

Eyes:

Flush with water.

VI. Reactivity Data

Stability:

Stable

Unstable

Incompatibility:

Hydrofluoric acid

Hazardous Polymerization:

May occur

Will not occur

Conditions to avoid:

Keep packaging away from heat, sparks and open flames

Hazardous Decomposition Products:

None known

Polymerization:

Will not occur

Incompatible Materials:

None known

VII. Spill, Leak & Disposal Procedures

Spill response procedures (include employee protection measures):

Use methods to clean spill, such as wet sweeping.

Preparing wastes for disposal:

According to EOA 40 CFR 261.3, waste of this product is not defined as hazardous.

Dispose in accordance with federal, state and local regulations.

Precautions to be taken in handling and storage:

If excessive dust is created avoid breathing dust by using adequate ventilation and /or using a NIOSH approved respirator certified to the N95 classification. Inhalation of dust may be harmful to your health.

Ecological Information:

Keep out of lakes, streams or ponds.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls:

Maintain dust level below TLV.

Respirator protection (type):

Masks suitable for nuisance dust.

Eye Protections (type):

Protective goggles.

Gloves (specify material):

Not required.

Work practices, hygienic practices:

Use good housekeeping to avoid transient dust.

Other handling and storage requirements:

Use good housekeeping to avoid transient dust.

Protective measure during maintenance of contaminated equipment:

No special equipment, other than respirators and goggles.

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given, and it is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.