

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) THERM-O-ROCK VERMICULITE	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name THERM-O-ROCK WEST, INC.	Emergency Telephone Number 520-796-1000
Address (Number, Street, City, State, and ZIP Code) 6732 W. Willis Rd.	Telephone Number for Information 520-796-1000 Fax 520-796-0223
P.O. Box 5014	Date Prepared February 17, 2009
Chandler, AZ 85226	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended None	%(optional) None
NO DETECTABLE HAZARDOUS COMPONENTS		C.A.S. # 1318-00-9		
Typical chemical analysis: SiO ₂ 41.20% Al ₂ O ₃ 12.68% Fe ₂ O ₃ 4.06% FeO 1.54% CaO 0.96% MgO 24.22% TiO ₂ 1.33% K ₂ O 5.97% P ₂ O ₅ 0.06% H ₂ O 3.00% Na ₂ O 1.60% MnO 0.043% TiFeO 5.71% Evaporation 6.71%				
THERM-O-ROCK VERMICULITE is classified as Magnesium – Aluminosilicate Mineral				
NO ASBESTOS FIBERS WERE DETECTED IN SAMPLES BY POLARIZED LIGHT MICROSCOPY.				
Dust from THERM-O-ROCK Vermiculite is considered a nuisance dust (also called "Particulates Not Otherwise Classified (PNO) by ACGIH).				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	0.7-1.1kg/ml
Vapor Pressure (mm Hg)	N/A	Melting Point	1000° C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water <1% Evaporation rate (butyl acetate =1) N/A			
Appearance and Odor Tan/brown with no odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limit Non-Flammable	LEL None	UEL None
Extinguishing Media Not Applicable			
Special Fire Fighting Procedures Not Applicable			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable	No	Conditions to Avoid None
	Stable	Yes	Not Applicable
Incompatibility (<i>Materials to Avoid</i>) None			
Hazardous Decomposition or Byproducts None			
Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	XX	Not Applicable

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? NO	Ingestion? NO
Health Hazards (<i>Acute and Chronic</i>) Possible eye irritation from dust particles; wear eye protection.			
Carcinogenicity: None	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
Signs and Symptoms of Exposure Inhalation; may cause symptoms of nuisance dusts, i.e. coughing, sneezing and minor upper respiratory irritation.			
Medical Conditions Generally Aggravated by Exposure See above.			
Emergency and First Aid Procedures Attempt to wash out with clear water; if unable have particle removed by doctor.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Vacuum clean or sweep material; Use respirators suitable for nuisance dust and eye protection.
Waste Disposal Method Dispose in bulk or containers according to local dump requirements; No special treatment required.
Precautions to Be taken in Handling and Storing Avoid emptying bags in windy areas
Other Precautions None

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) NIOSH approved dust mask		
Ventilation	Local Exhaust	Special Not Required
	Mechanical (<i>General</i>)	Other Not Required
Protective Gloves Not Required	Eye Protection Not Required	
Other Protective Clothing or Equipment Not Required		
Work/Hygienic Practices Normal good housekeeping is adequate		