

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 PERLITE	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. # 93763-70-3		
Typical chemical analysis: SiO2 75.23% Al2O3 17.36% Fe2O3 0.04% MgO 0.14% CaO 0.22% Na2O 2.81% K2O 3/06% Loss 1.14% THERM-O-ROCK is classified as chemically inert and as amorphous alumina silicate.				
OSHA table "Z" recommends 15 mg/cubic meter dust concentration for this type of material.				
Dust from THERM-O-ROCK products is classified by ACGIH TLV manual as a nuisance dust, with minimal allowable ACGIH TLV rating of 10 mg/cubic meter. OSHA PEL rating is 50M ppcf.				

Section III - Physical/Chemical Characteristics

Boiling Point	SOLID	Specific Gravity (H ₂ O = 1)	2.28
Vapor Pressure (mm Hg)	SOLID	Melting Point	2400 F
Vapor Density (AIR = 1)	SOLID	Evaporation Rate (Butyl Acetate = 1)	nil
Solubility in Water Non-soluble in water and most acids			
Appearance and Odor White in color and 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			

(Reproduce locally)

OSHA 174, Sept. 1985

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>) None. ACGIH documentation state "no data found to indicate that exposure to this dust has resulted in adverse physiological effects."			
Carcinogenicity: None	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
Signs and Symptoms of Exposure Persons sensitive to nuisance dusts may experience coughing when exposed to heavy concentrations of airborne material.			
Medical Conditions Generally Aggravated by Exposure See above.			
Emergency and First Aid Procedures Standard eye wash solutions and procedure			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Sweep or vacuum and dispose of as any non-hazardous waste
Waste Disposal Method Non-Hazardous landfill
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>) MSA Dustfoe 77		
Ventilation	Local Exhaust	Special Not Required
	Mechanical (General)	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		