

MATERIAL SAFETY DATA SHEET---PERLITE

-----I. PRODUCT IDENTIFICATION-----

TRADE NAME (as labeled) Ambient Minerals Perlite (Coarse Expanded)
MANUFACTURERS NAME Ambient Minerals, Inc.
www.ambientminerals.com
Address (complete mailing address): 705 Bird Street
Benton, Arkansas 72015
Phone number: (501) 778-4001
Date Prepared or Revised: February 14, 2005

-----II. HAZARDOUS INGREDIENTS-----

Chemical Name	CAS Numbers	EXPOSURE LIMITS	
		ACGIH TLV (Total)	ACGIH TLV (Respirable)
Perlite	93763-70-3*	10 mg/M ³	3 mg/M ³

Perlite is essentially an amorphous, hydrated glassy volcanic rock of rhyolitic composition, consisting primarily of fused sodium potassium aluminum silicate.

Perlite is considered a nuisance dust (also called "Particulates Not Otherwise Classified (PNOC) by ACGIH).

Alpha-Cristobalite & Tridymite:	Less than 0.1%
Alpha Quartz:	0.01 to 0.05%

-----III. PHYSICAL PROPERTIES-----

Vapor Density (air = 1)	N/A	Melting point or range. F°
Specific Gravity	2.35	Boiling point or range. F°
Solubility in Water	<1%	Evaporation rate (butyl acetate = 1)
Vapor Pressure, mmHg at 20°C	N/A	
Appearance and odor:	White to off white granules, no odor.	

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust or mist)

Visual only (dust), No gas, vapors, or mist emitted.

-----IV. FIRE AND EXPLOSION-----

Flash Point, F° (give method)	Perlite is a fully oxidized non-flammable It is noncombustible and non-flammable		
Auto ignition temperature, F°	N/A		
Flammable limits in air, Volume%:	N/A	lower(LEL)	N/A upper
Fire extinguishing materials:	N/A		
_____ water spray	_____ carbon dioxide	_____ other:	
_____ foam	_____ dry chemical		
Special fire fighting procedures:	N/A		
Unusual fire and explosion hazards:	N/A		

-----V. HEALTH HAZARD INFORMATION-----

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure

Inhaled:	Coughing
Contact with skin or eyes:	Possible eye irritation from dust particles; wear eye protection
Absorbed through skin:	N/A
Swallowed:	N/A

HEALTH EFFECTS OR RISKS FROM EXPOSURE.

Acute:	None
Chronic:	Excessive inhalation over long period may cause harmful irritation; use nuisance dust.
Target Organ:	None

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Attempt to wash out with clear water; if unable have particle removed b
Skin Contact: None
Inhaled: Remove affected individual from dusty area to area with clean air
Swallowed: None

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.

YES: _____ **Federal OSHA** _____ **NTP** _____ **IARC**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Any Respiratory illnesses which a nuisance dust may aggravate

-----**VI. REACTIVITY DATA**-----

Stability: _____ **Stable** _____ **Unsta**
Incompatibility (Materials to avoid): None
Hazardous decomposition products (including combustion products):
Hazardous Polymerization: _____ **May Occur** _____ **Will n**
Conditions to Avoid: None

-----**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**-----

Spill response procedures (include employee protection measures):

Vacuum clean or sweep material; Use respirators suitable for nuisance dust and eye protection.

Preparing wastes for disposal (container types, neutralization, etc.):

Dispose in bulk or containers according to local dump requirements. No special treatment required.

Note: Dispose of all wastes in accordance with federal, state, and local regulations.

-----**VIII. SPECIAL HANDLING INFORMATION**-----

Ventilation and engineering controls:

Maintain dust level below TLV.

Respiratory protection (type)

Masks suitable for nuisance dust.

Eye Protection (type)

Protective goggles.

Gloves (specify material)

Not required.

Other Clothing and equipment

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 measures during maintenance of contaminated equipment

None special other than respirators and goggles.

As of the date of preparation 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.