

Uline

Vermiculite - All Grades

SECTION 1 : Chemical Product and Company Identification

MSDS Name: Vermiculite - All Grades

Distributor Name: Uline

Distributor Address:

2200 S. Lakeside Drive
Waukegan, IL 60085

Distributor Phone: (800) 295-5510

For information in North America, call: (800) 295-5510

Manufacturer MSDS Revision Date:

February 25, 2004

Trade Names:

Vermiculite (Expanded)

SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#		
Vermiculite	1318-00-9		

ACGIH TLV TWA: In Air: 10 mg/M3 (total); 3 mg/M3 (respirable)

Other Exposure Guidelines:

In Air: 30 mppcf

Vermiculite is the mineralogical name given to hydrated laminar magnesium-aluminum-iron silicates which resemble mica in appearance. When subjected to heat, crude vermiculite has the unusual property of exfoliating or expanded into worm-like particles (the name vermiculite is derived from the Latin 'vermiculare', meaning to breed worms.)

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

Chemical Name Alpha-Cristobalite & Tridymite		Percent < 0.1%	
Chemical Name Alpha Quartz		Percent 0.01 to 0.05%	

SECTION 3 : Physical And Chemical Characteristics

Color:

Tan/Brown

Odor:

No odor

Vapor Pressure:

(mmHg at 20 deg C): Not Applicable

Vapor Density:

(Air = 1): Not Applicable

Boiling Point:

Deg F: Not Applicable

Melting Point:

1350 deg C + (Collapse and coalescence of the individual flakes begin at this temperature.)

Solubility:

In Water: < 1%

Specific Gravity:

2.5

Evaporation Point:

(Butyl Acetate = 1): Not Applicable

FlashPoint:

(Deg F): Vermiculite is a fully oxidized non-flammable mineral.
It is noncombustible and non-flammable.

Auto Ignition Temp:

Deg F: Not Applicable

Upper Flammable Explosive Limit:

In Air, Volume %: Not Applicable

Lower Flammable Explosive Limit:

In Air, Volume %: Not Applicable

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.

SECTION 4 : Fire And Explosion Hazards

Fire:

Flammable limits in air, Volume %: Not Applicable

Flash Point:

(Deg F): Vermiculite is a fully oxidized non-flammable mineral.
It is noncombustible and non-flammable.

Upper Flammable or Explosive Limit: In Air, Volume %: Not Applicable

Lower Flammable or Explosive Limit: In Air, Volume %: Not Applicable

Auto Ignition Temperature: Deg F: Not Applicable

Extinguishing Media:

Not Applicable

Fire Fighting Instructions:

Not Applicable

Unusual Fire Hazards:

Not Applicable

SECTION 5 : Health Hazards

Applies to All Ingredients:

Potential Health Effects:

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Acute: None

Chronic Health Effects:

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.

Carcinogenicity:

SUSPECTED CANCER AGENT:

NO: This product's ingredients are not found in the lists of OSHA Federal, NTP, IARC.

Target Organs:

None

Signs/Symptoms:

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: Not Applicable

Swallowed: Not Applicable

Aggravation of Pre-Existing Conditions:

Any Respiratory illnesses which a nuisance dust may aggravate

SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Attempt to wash out with clear water; if unable have particle removed by doctor

Skin Contact:

None

Inhalation:

Remove affected individual from dusty area to area with clean air

Ingestion:

Swallowed: None

SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Conditions to Avoid:

None

Incompatibilities with Other Materials:

(Materials to avoid): None

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:
(Including combustion products): None

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

(Include employee protection measures): Vacuum clean or sweep material; Use respirators suitable for nuisance dust and eye protection.

Handling:

Use good housekeeping to avoid transient dust.

Hygiene Practices:

Use good housekeeping to avoid transient dust.

Waste 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.

SECTION 9 : Control Measures

Engineering Controls:

Maintain dust level below TLV.

Ventilation System:

Maintain dust level below TLV.

Hand Protection Description:

Gloves (specify material): Not required.

Eye/Face Protection:

(Type): Protective goggles.

Protective Clothing/Body Protection:

Not required.

Respiratory Protection:

(Type): Masks suitable for nuisance dust.

Work practices, hygienic practices:

Use good housekeeping to avoid transient dust.

Protective measures during maintenance of contaminated equipment:

None special other than respirators and goggles.

SECTION 10 : Other Information

MSDS Revision Date:

February 25, 2004

Disclaimer:

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.

