

IDENTITY: Vermiculite

Section I – Manufacturer Information

The Schundler Company
150 Whitman Avenue
Metuchen, NJ 08840

Telephone Number for Information:
(732) 287-2244
Date Prepared: October 5, 1998

EMERGENCY NUMBER: (800) 424-9300 (Chemtrec)

Section II – Hazard Ingredients/Identity Information

Chemical Names	CAS Numbers	Exposure Limits in Air		
		ACGIH TLV (total)	ACGIH TLV (respirable)	Other
Vermiculite	1318-00-9	10 mg/M ³	3 mg/M ³	30 mppe

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).

Alpha-Cristobalite & Tridymite: Less than 0.1%

Alpha Quartz: 0.01 to 0.05%

Section III – Physical/Chemical Characteristics

Boiling Point: N/A	Specific Gravity: 2.5
Vapor Pressure: N/A	Melting Point: 1350+
Vapor Density: N/A	Evaporation Rate: N/A

Solubility in Water: < 1%

Appearance and Odor: Tan/brown with no odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Vermiculite is a fully oxidized non-flammable material. It is noncombustible and non-flammable

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Extinguishing Media:

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

Section V – Reactivity Data

Stable or Unstable? Stable

Conditions to Avoid:

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur

Conditions to Avoid: None

Section VI – Health Hazard Data

Routes of Entry

Inhalation: Coughing

Skin: N/A

Ingestion: N/A

Eye: Possible eye irritation from dust particles; wear eye protection.

Carcinogenicity:

NTP:

IARC Monographs:

OSHA Regulated:

Health Hazards:

Signs and Symptoms of Exposure: Excessive inhalation over a long period may cause harmful irritation; use mask suitable for nuisance dust.

Medical Conditions Generally Aggravated by Exposure: Any respiratory illnesses, which a nuisance dust may aggravate.

Emergency and First Aid Procedure:

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

Ingestion – None

Skin – None

Eyes – 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. Dispose of all wastes in accordance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storing: Use good housekeeping to avoid transient dust.

Other Precautions:

Section VIII – Control Measures

Respiratory Protection: Masks suitable for nuisance dust.

Ventilation

Local Exhaust:

Mechanical:

Special:

Other: Maintain dust level below TLV

Protective Gloves: Not required

Eye Protection: Protective goggles

Other Protective Clothing or Equipment: Not required.

Work/Hygiene Practices:

Section IX – Additional Information

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