



SUKUM IMPEX

MATERIAL SAFETY DATA SHEET

VERMICULITE



Abstract

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MATERIAL SAFETY DATA SHEET

VERMICULITE MSDS

1. PRODUCT IDENTIFICATION

Trade Name (as labeled): Sukum Vermiculite (Expanded)

MANUFACTURERS NAME:SUKUM IMPEX www.sukumimpex.com

Address (complete mailing address):G-6, ARIHANT APPARTMENTS, COLLEGEROAD,
BEAWAR(RAJASTHAN)INDIA-305901

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2. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS Numbers	Exposure Limits in Air
	ACIGH TLV (total)	ACGIH OTHER TLV (respirable)
Vermiculite	1318-00-9 10mg/M ₃	3mg/M ₃ 30mppcf

Vermiculite is the mineralogical name given to hydrated laminar mangesium-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 & Tridmyte	Less than 0.1%
Alpha Quartz	0.01 to 0.05%





3. PHYSICAL PROPERTIES

Vapor Density (air = 1):N/A

1350+ (Collapse and coalescence of the individual flake begin at this temperature.)

Specific Gravity:2.5

Boiling point or range:F° N/A

Solubility in Water:<1%

Evaporation rate (butyl acetate1):.....N/A

Vapor Pressure, mmHg at20°:N/A

Appearance and odor:tan/brown with no odor.

3. 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.

4. FIRE &EXPLOSION

Flash Point, F° (give method

Vermiculite is a fully oxidized non-flammable mineral . It is noncombustible and non-flammable.

Auto ignition temperature, F°:.....N/A

Flammable limits in air, Volume%:N/A lower(LEL) N/A upper(UEL) N/A

Fire extinguishing materials:.....N/A

_____ water spray

_____ Carbon Dioxide

_____ other:

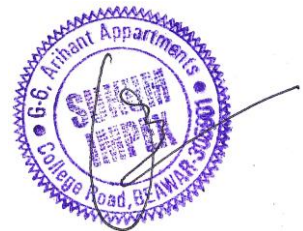
_____ foam

_____ dry chemical

Special firefighting procedures:N/A

Unusual fire and explosion:N/A

hazards:





5. 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

6. HEALTH EFFECTS OR RISKS FROM EXPOSURE.

Acute: None
Chronic:..... Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.
Target Organ: None
FIRST AID:..... EMERGENCY PROCEDURES
Eye Contact: Attempt to wash out with clear water; if unable have particle removed by doctor
Skin Contact: None
Inhaled:..... Remove affected individual from dusty area to area with clean air
Swallowed:..... None

7. 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.

8. REACTIVITY DATA

Stability:X___ Stable ___ Unstable

Incompatibility (Materials to avoid):None

Hazardous decomposition products (including combustion products):

None

Hazardous Polymerization: May Occur

Will not

occur

Conditions to Avoid:

None



9. PILL, 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.

10. 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.

