

SILVER CUP CHALK, INC.  
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MATERIAL SAFETY DATA SHEET

I. Product Identification

Trade Name Cone-Chalk

Chemical Name: Mixture

Hazardous Ingredients/OSHA

Quartz	34%
Mica	16%
Kaolin	5%

Carcinogenic Ingredients/OSHA/NTP/IARC: See Section VII.

Hazard: Inhalation

SARA Title: III Section 313 Ingredients: None

II. Warning Statements

Warning: Contains Quartz. Do not Breathe dust. Prolonged inhalation may cause lung injury.

III. Physical & Chemical Data

Appearance & Odor: White to tan powder	Vapor Pressure: N/A
Density, Mg/cu m: 2.8-2.9	Vapor Density: N/A
Solubility in Water: None	% Volatiles: None
Boiling Point: N/A	Evaporation Rate: N/A

IV. Fire Protection: Nonflammable

V. Reactivity Data: Non-reactive

VI. Occupational Exposure Limits

(OSHA PEL's & ACGIH TLV's)	Kaolin (Nuisance Dust)	Mica	Quartz
Total Dust	15 mg/cu m (OSHA)	N/A	N/A (ACGIH)
Respirable Dust	5 mg/cu m (OSHA)	3 mg/cu m	0.1 mg/cu m (ACGIH)

For Total Product\* 10 mg/cu m (OSHA)  
% SiO<sub>2</sub>+3 (OSHA)

15 mg/cu m Total Dust (OSHA)  
5 mg/cu m Respirable Dust (OSHA)

\* as particulates not otherwise classified (PNOC)

VII. Physiological Effects SummaryAcute Effects

**Eye Contact:** Not a primary eye irritant. May cause mechanical irritation.

**Skin Contact:** Not a skin irritant. Not absorbed through skin. Possible granuloma formation in open wounds (requires repeated, massive applications).

**Inhalation:** Inhalation of high concentrations may cause mechanical irritation and discomfort. Repeated overexposure can cause chronic effects.

**Ingestion:** Unlikely to be toxic by ingestion.

Chronic Effects

**Kaolin:** Published literature suggests that extremely high exposure to kaolin dust over a prolonged period of time can lead to a low category pneumoconiosis with little respiratory disability.

"Inhalable crystalline silica (quartz and cristobalite is listed by IARC as a group 1 carcinogen (lung based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a substance reasonably anticipated to be a carcinogen. Some human studies have not demonstrated a cancer association and considerable controversy exists concerning the IARC classification.

Medical Conditions Generally Aggravated By Exposure: Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

VIII. Protection and control Measures: Use any NIOSH approved dust respirator in dusty conditions. Control dusting by reduced dust generation through engineering means whenever possible (isolation, local exhaust ventilation, etc). Wear safety goggles if eye irritation is experienced. Launder clothing before reuse.

IX. Emergency and First Aid Procedures

**Eyes:** Flush with plenty of flowing water. Get medical attention if irritation persists.

**Skin:** Wash off with water.

**Inhalation:** Remove to fresh air.

**Ingestion:** Unlikely to cause untoward effects.

IX. Waste & Spill Handling

Not a RCRA hazardous waste. Dispose of in accordance with local expectations. Minimize dust generation during spill clean-up by lightly wetting spill prior to pick-up or use vacuum clean-up.

The information and recommendations contained herein are offered as a service to our customers but are not intended to relieve the user of its responsibility to investigate and understand pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of this product. The information and recommendations provided herein were believed by SILVER CUP CHALK, INC. to be accurate at the time of preparation or obtained from sources believed to be generally reliable. However, SILVER CUP CHALK, INC. makes no warranty concerning their accuracy and SILVER CUP CHALK, INC. will not be liable for claims relating to any party's use of or reliance on information or recommendations contained herein, regardless of whether it is claimed that the information or recommendations are inaccurate, incomplete or otherwise misleading.