

# Material Safety Data Sheets

May be used to comply with  
OSHA's Hazard Communication Standard.  
29 CFR 1920.1200. Standard must be  
consulted for specific requirements

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As Used on Label and List)

**PUMICE**

**CAS No. 1332-09-8**

Note: Blank spaces are not permitted. If any item is not applicable, or  
information is not available, the space must be marked to indicate that.  
**(N/A = Not Applicable)**

## Section I

Manufacturer's Name:  
**CR Minerals Company**

Emergency Telephone Number:  
**24 hr Assistance - CHEMTREC 800-424-9300**

Address (Number, Street, City, State, and ZIP Code):  
**P.O. Box 430  
Santa Fe, NM 87502**

Telephone Number for Information: **800-748-2048**  
Date Prepared: **October 2004**

## Section II – Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity: Common Names)

**Silica, amorphous**

**OSHA PEL**  
**80 mg/m<sup>3</sup>**  
**%SiO<sub>2</sub>**

**ACGIH TLV**  
**10 mg/m<sup>3</sup> (inhalable)**  
**3 mg/m<sup>3</sup> (respirable)**

**Quartz, CAS No. 14808-60-7**

**10 mg/m<sup>3</sup>**  
**%SiO<sub>2</sub> + 2**

**0.05 mg/m<sup>3</sup>, respirable dust**

Other principal, inert components: **Complex silicates or oxides of Al, K, Na, Fe, Ca, Mg, Ti.**

Chemical Identity, major components: **Amorphous Silicon Dioxide (SiO<sub>2</sub>),  
M<sub>x</sub>O<sub>y</sub> • SiO<sub>2</sub> (M=Al, Ca, Mg + other minor metal oxides, with bound silica (SiO<sub>2</sub>))**

Common Names: **Pumice, volcanic glass**

**HMIS** (Hazardous Materials Identification System Ratings – NPCA/CPCA)

Based on hazard rating of 4 = Most severe

**Health 0**

**Flammability 0**

**Reactivity 0**

**Personal Protection Use approved dust mask; goggles to prevent eye irritation**

## Section III – Physical/Chemical Characteristics (N/A = Not Applicable)

Boiling Point: **N/A** Specific Gravity: **2.4**

Vapor Pressure (mm Hg): **N/A** Melting Point: **N/A**

Vapor Density:  
(Air = 1) **N/A** Evaporation Rate:  
(Butyl Acetate = 1) **N/A**

Solubility in Water: **Negligible**

Appearance and Odor: **Off-white powder. No odor.**

## Section IV – Fire and Explosion Hazard Data

Flash Point: **N/A** Flammable Limits: **N/A** LEL: **N/A** UEL: **N/A**

Extinguishing Media: **N/A**

Special Fire Fighting Procedures: **N/A**

Unusual Fire and Explosion Hazards: **None**

**Section V – Reactivity Data**

Navajo Brand

Stability	Unstable	Conditions to Avoid
	Stable X	No special precautions

Incompatibility (Materials to Avoid): **No incompatibility. (Reacts with hydrofluoric acid; soluble in HF)**

Hazardous Decomposition of Byproducts: **None**

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	No other hazards in the regard

**Section VI – Health Hazard Data**

Route(s) of Entry: Inhalation? **Yes** Skin? **No** Ingestion? **Non-hazardous**

Health Hazards (Acute and Chronic): **Irritation of the upper respiratory tract and lungs may result from accidental or chronic occupational exposure to the dust of this product. Dust may also cause lung damage when inhaled.**

**CARCINOGENICITY:** NTP? **Yes crystalline silica (quartz) in respirable form is classified as a carcinogen.** IARC Monographs? **Vol. 68 (1997), In Group 1. (respirable crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans.)** OSHA Regulated? **No**

Signs and Symptoms of Exposure: **Exposure may result in coughing, wheezing, shortness of breath, tightness in chest, irritation of the upper respiratory tract, and damage to lung tissue.**

Medical Conditions Generally Aggravated by Exposure: **Pre-existing asthma, bronchitis, emphysema and other lung and respiratory ailments may be aggravated by exposure to dust.**

Emergency and First Aid Procedures: **Material is non-poisonous. Eyes – Flush with copious amounts of cool, fresh water for 15 minutes. Inhalation – Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air. If symptoms persist, see a physician promptly.**

**Section VII – Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled: **Mist lightly with water, sweep up and transfer to a closed container, or vacuum with equipment fitted with an effective filter. Transfer any broken bags to new bags without emptying original bags.**

Waste Disposal Method: **Bury as non-toxic waste in an approved landfill.**

Precautions to be Taken in Handling and Storing: **Use techniques that minimize generating dust.**

Other Precautions: **Material, when wet, may be slippery on a smooth flooring. Use caution.**

Respiratory Protection: **Use a OSHA, MSHA or NIOSH approved dust mask.**

**Section VIII – Control Measures**

Respiratory Protection: **Use an approved dust mask, such as a particulate filter respirator.**

Ventilations	Local Exhaust: <b>Recommended</b>	Special, Other:
	Mechanical (General): <b>Vacuum all spills</b>	<b>Use filter-equipped vacuum to remove dust; do not blow off with compressed air.</b>

Protective Gloves: **Not Required**

Eye Protection: **Goggles recommended.**

Other Protective Clothing or Equipment: **Not required.**

Work/Hygienic Practices: **Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off.**