

## CR MINERALS COMPANY

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### Material Safety Data Sheets

### U.S. Department of Labor

May be used to comply with

Occupational Safety and Health Administration

OSHA's Hazard Communication Standard.  
29 CFR 1920.1200. Standard must be  
consulted for specific requirements

(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

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Identity (As Used on Label and List)  
applicable, or

**Navajo Brand<sup>®</sup>**  
indicate that.  
**CAS No. 1332-09-8**

Note: Blank spaces are not permitted. If any item is not

information is not available, the space must be marked to

**(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):  
**2801 Youngfield Street, Suite 301  
Golden, CO 80401**

Telephone Number for Information: **303-238-7777**  
Date Prepared: **January 31, 2001**

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#### Section II – Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity: Common Names)

	OSHA PEL	ACGIH TLV
<b>Silica, amorphous</b>	<b>80 mg/m<sup>3</sup></b> %SiO <sub>2</sub>	<b>10 mg/m<sup>3</sup> (inhalable)</b> <b>3 mg/m<sup>3</sup> (respirable)</b>
<b>Quartz, CAS No. 14808-60-7 dust</b>	<b>10 mg/m<sup>3</sup></b> %SiO <sub>2</sub> + 2	<b>0.05 mg/m<sup>3</sup>, respirable</b>
<b>As respirable material, less than 0.1%</b>		
<b>In non-respirable bulk material, greater than 0.1%</b>		

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**

Stability	<b>Unstable</b>	Conditions to Avoid
	<b>Stable X</b>	<b>No special precautions</b>

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

Hazardous Decomposition of Byproducts: **None**

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

**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? **No** IARC Monographs? **Vol. 68 (1997),** OSHA  
 Regulated? **No**

**In Group 3. (Not classifiable as to carcinogenicity to humans.)**

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.**

**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>

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.**

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Contact [\*\*CR Minerals Company, LLC\*\*](#) or your [\*\*Navajo Distributor\*\*](#) to learn more about the benefits of Navajo Brand Pumice.

