

Material Safety Data Sheets

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department Of Labor

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

Identity (As used on Label and List)

Non-Crystalline Silica (micronized)
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 this.

(N/A = Not Applicable)

Section I

Manufacturer's Name:

HPP, Inc.

Contact Telephone Numbers

(208) 766-4777

Address (Number, Street, City, and ZIP Code:)

**100 Hess Drive
Malad, Idaho 83252**

Emergency Telephone Number:

(208) 766-2655

Date Prepared: **September 30, 2006**

Section II-A Hazardous Ingredients

None

Section II-B Identity Information

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

Chemical Identity, major components: **Amorphous Silicon Dioxide (SiO₂).**

M_xO_y _ SiO₂ (M=Al, Ca, Mg + other minor metal oxides, with bound silica (SiO₂))

Common Names: **Amorphous Aluminum Silicate, Amorphous Silica, 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	2.35
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 :	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

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

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

Hazardous Decomposition of Byproducts: **May react with hydrofluoric acid to form toxic silicon tetra-flouride gas.**

Hazardous Polymerization	May Occur	Conditions to Avoid:
	Will Not Occur <u>X</u>	No special conditions

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation: **No** Skin: **No** Ingestion: **Non-Hazardous**

Classified as Nuisance Dust.

Carcinogenicity: NTP? **No** IARC Monographs? **Vol. 68 (1997) Silica-Group 3. (Not classifiable as to carcinogenicity to humans.)** OSHA Regulated? **No**

Signs and Symptoms of Exposure: **In extreme exposures, some congestion may occur.**

Medical conditions which may be aggravated by exposure: **Pre-existing upper respiratory and lung disease such as, but not limited to, Emphysema and Asthma.**

Acute health effects: **Transitory upper respiratory irritant.**

Chronic health effects: **Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).**

Emergency and First Aid Procedures: **Material is non-poisonous.**

Eyes – Flush with copious amounts of clean water for 15 minutes. If irritation persists, consult a physician.

Inhalation – Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

Section VII – Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: **Vacuum clean spillage.**

Waste Disposal Method: **May be buried as non-toxic waste in an approved landfill in accordance with all federal, state and local regulations.**

Precautions to be taken in handling as storing: **Use techniques that minimize generating dust.**

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

Section VIII – Control Measures

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

Ventilation	Local Exhaust: Recommended	Special Other:
	Mechanical (General): Sweep or vacuum all spills	Use filter-equipped vacuum to remove dust.

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.**