

800 S. 7th Street  
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<b>Product Name:</b> PWR® POWDERED WATER REPELLENT	<b>Date:</b> 12-27-00	
<b>MSDS Number:</b> MS-50	<b>CAS Number:</b> Mixture	<b>Prepared by:</b> Greg Herbert

### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

**Principal hazardous component(s)**

Amorphous precipitated silica (112926-00-8)

(Percentage content of ingredients withheld as a trade secret pursuant to Massachusetts regulations)

### SECTION 2 - PHYSICAL & CHEMICAL CHARACTERISTICS

**Appearance and odor:** ----- White powder, mild odor  
**Boiling point:** ----- Not applicable  
**Bulk density:**----- Approx. 400 kg/m<sup>3</sup>  
**Vapor pressure (mm Hg and temperature):**----- Not determined  
**Vapor density (air = 1):** ----- Not applicable  
**Evaporation rate:** ----- Not applicable  
**Solubility in water:** ----- Not determined  
**Water reactive:** ----- Hydrolyzes gradually  
**Specific gravity:** ----- Not determined  
**% volatile by volume:** ----- Not determined

### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

**Flash point and method used:** ----- 204° F  
**Auto-ignition temperature:** ----- 509 ° F  
**Flammability limits in air % by volume:** ----- Not determined  
**Extinguishing media:** ----- Water, carbon dioxide, dry chemical foam  
**Special fire fighting procedures:** ----- Full protective clothing and self-contained breathing apparatus  
**Unusual fire and explosion hazards:** ----- Dust/vapor may form explosive mixture with air. Electrostatic charging is possible.

### SECTION 4 - REACTIVITY HAZARD DATA

**Stability:** ----- Stable  
**Conditions to avoid:** ----- Heat and moisture  
**Incompatibility (materials to avoid):** ----- None known  
**Hazardous decomposition products:** ----- At hydrolysis: ethanol, at combustion:  
SiO<sub>2</sub>, CO<sub>2</sub>, CO  
**Hazardous polymerization:** ----- Will not occur.

## SECTION 5 - HEALTH HAZARD DATA

**Primary routes of entry:**

  X   Inhalation      X   Skin Absorption    \_\_\_\_\_ Ingestion    \_\_\_\_\_ Not Hazardous

**Carcinogen listed in:**

\_\_\_\_\_ NTP    \_\_\_\_\_ IARC Monograph    \_\_\_\_\_ OSHA      X   Not Listed

**Signs and symptoms of exposure:** Mild irritation

**Acute and chronic overexposure: Skin:** Skin irritation may occur. **Eyes:** Eye irritation may occur. Breathing: May cause irritation upper respiratory tract and mucous membranes. Breathing high concentrations may cause lung damage.

**Medical conditions generally aggravated by exposure:** None known.

**Emergency and first aid procedures -** Seek medical assistance for further treatment, observation, and support.

**Eye contact:** Immediately flush with water for 15 minutes. Seek additional medical treatment.

**Skin contact:** Remove with waterless hand cleaner. Wash with soap and water. See a physician if irritation persists.

**Inhalation:** Remove to fresh air.

**Ingestion:** Consult a physician.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory protection (specify type):** None should be needed.

**Protective gloves:** Resistant rubber gloves.

**Eye protection:** Chemical splash goggles.

**Ventilation:** Use only with adequate ventilation.

**Local exhaust:** Not recommended; in case of dust formation, yes.

**Other (specify):**

**Other protective clothing and equipment:** Wear impervious clothing and boots.

**Hygienic work practices:** Wash thoroughly with soap and water after using this product.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

**Steps to be taken if material is spilled or released:** Avoid formation of dust. Do not get into waters sewerage or soil. Take up by mechanical means and place in proper waste disposal containers.

**Waste disposal methods:** In accordance with local, state, and federal regulations.

**Precautions to be taken in handling and storage:** Store in a dry cool area. Protect from moisture. Take precautionary measures against dust explosion. Avoid formation of dust and aerosol mist. Danger of dust explosion. Remove dust after wetting. Take precautionary measures against static discharge.

**Other precautions and/or special hazards:** None

<b>NFPA Rating:</b>	Health <u>  0  </u>	Flammability <u>  1  </u>	Reactivity <u>  1  </u>	Special <u>      </u>
<b>HMIS Rating:</b>	Health <u>  0  </u>	Flammability <u>  1  </u>	Reactivity <u>  1  </u>	Special <u>      </u>