

**MATERIAL SAFETY DATA SHEET**

OSHA Hazard Communication Standard  
29 CFR 1910.12000

U. S. Department of Labor  
Occupational Safety and Health Adm.  
OMB 1218-0072

Identity (used on label): PDSCo Granular Seal

**SECTION I**

<b>Manufacturer</b>	<i>SouthWestern Materials</i> P.O. Box 1270 Manchaca, Texas 78652	<b>Emergency Phone</b>	: 888-600-6077
		<b>Information Phone</b>	: 512-280-7801

**SECTION II HAZARDOUS INGREDIENTS**

Hazardous Components	OSHA PEL	TLV	Other Limits	%
Crystalline Quartz CAS# 14808-60-7 (naturally occurring contaminant)	-	-	*	2-6%
Respirable Crystalline Quartz			<b>NIOSH</b>	
present (TWA)	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	50ug/m <sup>3</sup>	<2%
proposed (TWA)	-	50ug/m <sup>3</sup>	-	-
Nuisance Dust				
Respirable	5 mg/ m <sup>3</sup>	5 mg/ m <sup>3</sup>	-	-
Total Dust	15 mg/ m <sup>3</sup>	10 mg/ m <sup>3</sup>	-	-

\* **Warning:** This product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved respirator when TLV for crystalline silica may be exceeded. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is "limit evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.

**SECTION III PHYSICAL CHEMICAL CHARACTERISTICS**

<b>Boiling Point</b>	:	N/A
<b>Vapor Pressure (mm Hg at 20°C)</b>	:	N/A
<b>Vapor Density (Air = 1)</b>	:	N/A
<b>Solubility in Water</b>	:	Negligible
<b>Appearance &amp; Odor</b>	:	Pale grey to buff powder or granules, odorless.
<b>Specific Gravity</b>	:	2.5
<b>Melting Point</b>	:	N/A
<b>Evaporation Rate</b>	:	N/A

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point</b>	:	N/A
<b>Flammable Limit</b>	:	N/A
<b>LEL</b>	:	N/A
<b>UEL</b>	:	N/A
<b>Extinguishing Media</b>	:	Not Applicable
<b>Special Fire Fighting Procedure</b>	:	Inorganic mineral/non-flammable.
<b>Unusual Fire and Explosion Hazards</b>	:	N/A

---

**SECTION V REACTIVITY DATA**


---

<b>Stability</b>	:	<b>Unstable</b>			<b>Stable</b>		<b>X</b>	
<b>Conditions to Avoid</b>	:	None Known						
<b>Materials to Avoid</b>	:	None Known						
<b>Hazardous Decomposition</b>	:	None Known						
<b>Hazardous Polymerization</b>	:	<b>May Occur</b>			<b>Will Not Occur</b>		<b>X</b>	

---

**SECTION VI HEALTH HAZARD DATA**


---

<b>Routes of Entry</b>	:	<b>Inhalation: Yes</b>	<b>Skin: No</b>	<b>Ingestion: No</b>	
<b>Health Hazards (Acute-Chronic)</b>	:	May cause delayed respiratory disease if dust inhaled over a prolonged period of time.			
<b>Carcinogenicity</b>	:	N/A	<b>NTP: No</b>	<b>IARC: Yes</b>	<b>OSHA Req: No</b>
		<small>IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.</small>			
<b>Sighs and Symptoms of Exposure</b>	:	Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function.			
<b>Conditions Aggravated by Exposure</b>	:	Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis be precluded from exposure to dust.			
<b>Emergency First Aid</b>	:	Eyes: Flush with water.			
		Gross inhalation of dust: Remove to fresh air. Give oxygen or artificial respiration if necessary. Get medical attention immediately.			

---

**SECTION VII PRECAUTIONS FOR SALE HANDLING AND USE**


---

<b>In Case Released or Spilled</b>	:	Vacuum if possible to avoid generating airborne dust. Avoid breathing duct. Wear an approved respirator. Avoid adding water, the product will become slippery when wet.
<b>Waste Disposal</b>	:	Consult appropriate Federal, State, and Local regulatory agencies to ascertain proper disposal procedures.
<b>Caution in Handling and Storing</b>	:	Avoid breathing dust, use NOISH/MSHA approved respirator when TLV limits for Crystalline Silica may be exceeded.
<b>Other Precautions</b>	:	Slippery when wet.

---

**SECTION VIII CONTROL MEASURES**


---

<b>Respiratory Protection</b>	:	OSHA standard 1910.134 or ANSI Z88.2-1980 specification.
<b>Ventilation</b>	:	Local and mechanical exhaust as appropriate.
<b>Protective Gloves</b>	:	Not Required.
<b>Eye Protection</b>	:	Recommended.
<b>Other Protection Equipment</b>	:	Not required for normal use.
<b>Work/Hygienic Practices</b>	:	Normal personal hygiene required.

---

The information stated herein is based on data believed to be reliable. No guarantee is made for its accuracy. PDSCo Inc. products are sold on the understanding that the user is responsible for determining the suitability for handling, storage, use, and disposal.