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

Manufacturer : PDSCo
P.O. BOX 507,
105 West Sharp Street
El Dorado, AR 71730

Emergency Phone : (800) 243-7455
Information Phone : (870) 863-5707

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			**NIOSH**	
present (TWA)	0.1 mg/m^3	0.1 mg/m^3	50ug/m^3	<2%
proposed (TWA)	-	50ug/m^3	-	-
Nuisance Dust				
Respirable	5 mg/ m^3	5 mg/ m^3	-	-
Total Dust	15 mg/ m^3	10 mg/ m^3	-	-

*** 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 NOISH/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

Boiling Point	:	N/A
Vapor Pressure (mm Hg at 20^0C)	:	N/A
Vapor Density (Air = 1)	:	N/A
Solubility in Water	:	Negligible
Appearance & Odor	:	Pale grey to buff powder or granules, odorless.
Specific Gravity	:	2.5
Melting Point	:	N/A
Evaporation Rate	:	N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SECTION V REACTIVITY DATA

Stability	:	**Unstable**			**Stable**	**X**	
Conditions to Avoid	:	None Known					
Materials to Avoid	:	None Known					
Hazardous Decomposition	:	None Known					
Hazardous Polymerization	:	**May Occur**			**Will Not Occur**	**X**	

SECTION VI HEALTH HAZARD DATA

Routes of Entry : **Inhalation:** Yes **Skin:** No **Ingestion:** No

Health Hazards (Acute-Chronic) : May cause delayed respiratory disease if dust inhaled over a prolonged period of time.

Carcinogenicity : N/A **NTP:** No **IARC:** Yes **OSHA Req:** No

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.

Sighs and Symptoms of Exposure : Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function.

Conditions Aggravated by Exposure : Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis be precluded from exposure to dust.

Emergency First Aid : 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

In Case Released or Spilled : 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.

Waste Disposal : Consult appropriate Federal, State, and Local regulatory agencies to ascertain proper disposal procedures.

Caution In Handling and Storing : Avoid breathing dust, use NOISH/MSHA approved respirator when TLV limits for Crystalline Silica may be exceeded.

Other Precautions : Slippery when wet.

SECTION VIII CONTROL MEASURES

Respiratory Protection : OSHA standard 1910.134 or ANSI Z88.2-1980 specification.

Ventilation : Local and mechanical exhaust as appropriate.

Protective Gloves : Not Required.

Eye Protection : Recommended.

Other Protection Equipment : Not required for normal use.

Work/Hygienic Practices : Normal personal hygiene required.