



**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 Plug

**SECTION I**

<b>Manufacturer</b> : PDSCo P.O. BOX 507, 105 West Sharp Street El Dorado, AR 71730	<b>Emergency Phone</b> : (800) 243-7455 <b>Information Phone</b> : (870) 863-5707
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**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 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**

<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

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**SECTION V REACTIVITY DATA**


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<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>	

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**SECTION VI HEALTH HAZARD DATA**


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<b>Routes of Entry</b>	:	<b>Inhalation:</b> Yes	<b>Skin:</b> No	<b>Ingestion:</b> No	
<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:</b> No	<b>IARC:</b> Yes	<b>OSHA Req:</b> 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.			
<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.			

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


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<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.

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**SECTION VIII CONTROL MEASURES**


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<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.

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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.



POLYMER DRILLING SYSTEMS

Page 1 of 2 PDSCo Plug TR30/60 Coating

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**Identity (used on label):** Coating used for PDSCo Plug TR30/60 – Natural Resin in Aqueous Solution

## SECTION I

<b>Manufacturer</b> :	PDSCo P.O. BOX 507, 105 West Sharp Street El Dorado, AR 71730	<b>Emergency Phone</b> :	(800) 243-7455
		<b>Information Phone</b> :	(870) 863-5707

## SECTION II HAZARDOUS INGREDIENTS

Components	CAS	OSHA PEL	TLV	NOMINAL %
Sodium Carbonate	497-19-18	None	None	<4%

## SECTION III PHYSICAL CHEMICAL CHARACTERISTICS

Boiling Point : 212<sup>0</sup>  
Vapor Pressure (mm Hg at 20<sup>0</sup>C) : N/A  
Vapor Density (Air = 1) : N/A  
Specific Gravity : N/A  
Melting Point : N/A

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

**THIS PRODUCT IS NON FLAMMABLE**

Extinguishing Media : Not Applicable  
Special Fire Fighting Procedure or hazards : N/A

## SECTION V REACTIVITY DATA

Stability	: Unstable		Stable	X
Hazardous Decomposition	: N/A			
Hazardous Polymerization	: May Occur		Will Not Occur	X

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**SECTION VI FIRST AID MEASURES**

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**FOR OVEREXPOSURE BY :**

- Swallowing** : If victim is conscience and able to swallow, have victim drink water to dilute. Never give anything by mouth if victim is unconscious or having convulsions. This product poses a possible lung aspiration hazard if it is ingested. Induce vomiting only if advised by a physician or Poison Control Center.
- Skin Contact** : Immediately flush affected area with plenty of water while removing contaminated clothing. Wash contaminated clothing before use.
- Eye Contact** : Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not permit victim to rub eyes. Get medical attention immediately.
- Inhalation** : Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.
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**SECTION VII PRECAUTIONS FOR SALE HANDLING AND USE**

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Protect container against physical damage.

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**SECTION VIII CONTROL MEASURES**

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- Respiratory Protection** : N/A
- Eye Protection** : N/A
- Protective Clothing** : N/A
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