



## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): **Petro-Lock**

Manufacturer: Fluid Tech  
 Address: 2865 S. Jones Blvd., Suite # 200  
 Las Vegas, Nevada 89146

Telephone Numbers:  
 Information: (702) 871-1884  
 Emergency: (702) 871-1884

### II. HAZARDOUS INGREDIENTS

Ingredient	CAS NO.	%	Hazard
Crystalline Silica (SiO <sub>2</sub> ) as Quartz	14808-60-7	1 to 3	Low concentrations of crystalline silica (SiO <sub>2</sub> ) in the form of quartz may be present in airborne dust. See Section VI for discussion of health hazard.

### III. PHYSICAL DATA

Boiling Point (°F): Not Applicable	Specific Gravity: 1.5 – 1.7
Vapor Pressure (mm. Hg): Not Applicable	Melting Point: Not Available
Vapor Density (Air = 1): Not Applicable	Evaporation Rate (Butyl Acetate = 1): Not Applicable
Solubility in Water: Insoluble	pH: Not Applicable
Density (at 20° C): 55-68 lbs./cu.ft. as product.	
Appearance and Odor: Light tan to gray dry powder with no odor.	

### IV. FIRE AND EXPLOSION DATA

Auto-ignition temperature: 374° F (Thin Film Ignition)	Flammable Limits: LEL: 0.05g/l UEL: Not Available
Special Fire Fighting Procedures: Normal precautions for mineral dusts should be exercised.	
Fire and Explosion Hazards: Avoid high dust concentrations and ensure all equipment is properly grounded to prevent static discharge.	
Extinguishing Media: Foam, dry chemical. Product becomes slippery when wet.	

### V. REACTIVITY

Stability: Stable at normal conditions.
Hazardous Polymerization: None
Incompatibility: None
Hazardous Decomposition Products: None

Date Prepared: November 1, 2008

## VI. HEALTH HAZARD INFORMATION

### Routes of Exposure and Effects:

Skin: Possible drying resulting in dermatitis.

Eyes: Mechanical irritant.

Inhalation: Inhalation of dust may cause respiratory irritation. Prolonged inhalation may cause cancer.

Ingestion: Do not ingest.

### Occupational Exposure Limits:

#### ACGIH

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Quartz (14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction
<u>Additional Components</u>			
Nuisance particulates	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable particles Inhalable particles

#### OSHA

##### Components

Quartz (14808-60-7)	TWA	0.1 mg/m <sup>3</sup> 0.3 mg/m <sup>3</sup>	Respirable dust Total dust
<u>Additional Components</u>			
Nuisance particulates	PEL	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable fraction Total dust

### Carcinogenicity:

IARC, 1997, concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica from occupational sources (IARC Class 1), that carcinogenicity was not detected in all industrial circumstances studied and that carcinogenicity may depend on characteristics of the crystalline silica or on external factors affecting its biological activity. NTP classifies respirable crystalline silica as "known to be a human carcinogen" (NTP 9<sup>th</sup> Report on Carcinogens – 2000). ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

### Emergency and First Aid Procedures:

Skin: Wash with soap and water until clean.

Eyes: Flush with water until irritation ceases. If irritation or pain persists, seek medical attention.

Inhalation: Move to area free from dust. If symptoms of irritation persist contact physician. Inhalation may aggravate existing respiratory illness.

Ingestion: Rinse mouth. Do not induce vomiting without advice from physician. Could result in intestinal blockage if large amounts are swallowed. Get medical attention if symptoms occur.

## VII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Avoid breathing dust; wear respirator approved for silica bearing dust. Vacuum up to avoid generating airborne dust with vacuum cleaner outfitted with a HEPA filter. Avoid using water. Product slippery when wetted.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal regulations.

Handling and Storage Precautions: Keep formation of dust to a minimum. In case of insufficient ventilation, wear suitable respirators approved for silica bearing dust. Clean up spills promptly to avoid making dust. Storage area floors may become slippery if wetted.

## VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Mechanical, general room ventilation. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts that may be generated during handling or use. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure levels.

Respirator: Use respirators approved by NIOSH/MSHA for silica bearing dust.

Eye Protection: Wear safety glasses.

Gloves: Protective gloves.

Other Protective Clothing or Equipment: None	
<b>IX. SPECIAL PRECAUTIONS</b>	
Avoid prolonged inhalation of airborne dust.	
<b>DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIAL INFORMATION</b>	
Shipping Name: Not Applicable (Not Regulated)	Hazard Class: Not Applicable
Hazardous Substance: Not Applicable	Caution Labeling: Not Applicable

Date Prepared: November 1, 2008

*All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by Fluid Tech as to this information, or as to the safety, toxicity or effect of the use of this product.*