

MATERIAL SAFETY DATA SHEET

Product Identification: PETRO-LOCK

SECTION I

Manufacturer's Name

Fluid Tech, Inc.

Telephone Number for Information

702-871-1884

Address

6450 Spring Mountain Road., Suite 9
Las Vegas, NV 89146

Date Revised

01/01/08

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)): Mineral dusts including less than 7% crystalline silica (quartz, 14808-60-7).

OSHA PEL: Total Dust - $\frac{30 \text{ mg/m}^3}{\% \text{ SiO}_2 + 2}$

Respirable - $\frac{10 \text{ mg/m}^3}{\% \text{ SiO}_2 + 2}$

ACGIH TWA: 0.1 mg/m³ (as quartz)

ACGIH STEL: N/A

Other Limits Recommended: N/A

SECTION III - Physical/Chemical Characteristics

Appearance: Tan to grey powder

Odor: mild

Boiling Point: N/A

Specific Gravity: Bulk Density 42#/ft³

Vapor Pressure (mm Hg): N/A

Melting Point: Approx. 1400°C

Vapor Density (AIR = 1): N/A

pH: N/A

Solubility in Water: Negligible

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Not determined

LEL: 0.05 oz/ft³ (50 g/m³) airborne dust concentrations may ignite at 470°C

UEL: Not determined

Extinguishing Media: Foam, dry chemical, water fog.

Basic Fire fighting guidance: Normal precautions for mineral dusts should be exercised. Avoid high dust concentrations and ensure all equipment is properly grounded to prevent static discharges.

Special Fire Fighting Procedures: None

SECTION V - Reactivity Data

Stability: **Unstable** () **Stable** (X)

Conditions to Avoid: Heat or open flame.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizers or acids.

Hazardous Decomposition or Byproducts: Possibly low levels of carbon monoxide and ammonia.

Hazardous Polymerization: N/A

SECTION VI - Health Hazard Data

Route(s) of Entry: **Inhalation?** Yes **Skin?** No **Ingestion?** No

Potential Health Effects

Eyes: May cause slight eye irritation. Direct contact should be avoided to prevent physical damage.

Skin: There is limited evidence of skin irritation of this product; however this material is a potential allergen due to its content of quaternary amine. Quaternary amine content of this product may cause dermatitis or itching in some individuals.

Inhalation: Short term exposure to high dust levels could cause minor irritation. Long term dust exposure should be avoided due to the presence of quartz which can cause lung damage when inhaled. Control dust levels with engineering controls (local exhaust ventilation). Prevent dust inhalation with the use of a NIOSH approved dust respirator if engineering controls are inadequate.

Carcinogenicity: IARC has classified crystalline silica as a human carcinogen.

Target Organs: Lungs

Medical Conditions Generally Aggravated by Exposure: Any respiratory illness.

Emergency and First Aid Procedures

Skin: Wash off with soap and water.

Eye: Flush with tepid water for 15 minutes. If irritation or pain persists, seek medical attention.

Inhalation: Remove affected person to fresh air. Seek medical attention if shortness of breath or irritation persists.

Ingestion: Could result in intestinal blockage. If large amounts are swallowed seek medical attention.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Avoid breathing dust, use NIOSH approved respirator for dust. Use a dustless vacuum or shoveling.

Waste Disposal Method: Dispose of in a manner in accordance with local and federal regulations.

Precautions to be Taken in Handling and Storing: Store separately from strong acids or oxidizers. Store in closed containers and in a dry area away from flames.

Other Precautions: This material is very slippery when wet. Appropriate precautions should be taken to avoid slips and falls.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): Use NIOSH approved dust respirator if dust levels are above exposure limits. Half-masks are sufficient for normal use.

Ventilation: Provide general or local ventilation adequate to maintain airborne levels below occupational exposure limits.

Mechanical (General): N/A **Special:** None **Other:** N/A

Protective Gloves: Work gloves. **Eye Protection:** Safety glasses or goggles.

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Good housekeeping as for any inert dusty material.

SECTION IX – Transport Information

This material is not regulated by the Department of Transportation.