



MATERIAL SAFETY DATA SHEET

P.O. BOX 1603
EUNICE, LA 70535
866-457-0064 or 337-457-0064

DEL SQUEEZE

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Del Squeeze

Generic Description: Mixture

Manufacturer's Name: Delta Drilling Products & Services, LLC

Physical Address: 154 Eastpark Drive
Eunice, LA 70535

Emergency Number: 866-457-0064

Telephone Number for Information: 866-457-0064

Date Prepared: August 14, 2006

SECTION II - COMPOSITION/INFORMATION OF THE COMPONENTS

Material or Component	CAS Number	Percentage
Proprietary Ingredients		100%
Crystalline Silica	14808-60-7	<1
Calcium Hydroxide	1305-62-0	8-15

SECTION III - HAZARD IDENTIFICATION

Hazard Data: Low concentrations of crystalline silica (SiO₂) in the form of quartz, cristobalite or tridymite may be present.

Health 1

Flammability 0

Reactivity 0 Ratings based on NPFA

IARC Overall Evaluation: Inhaled crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

The OSHA Permissible Exposure Limits from Table Z-3 Mineral Dusts are:

Crystalline Silica

Quartz (Respirable) 10 mg/m³
%SiO₂+2

Quartz (Total Dust) 30 mg/m³
%SiO₂+2

If cristobalite or tridymite is detected, use one half the values calculated from formulae for quartz.

Inhalation:

Acute: Breathing silica dust may cause irritation of the nose, throat and respiratory passages.

Chronic: Breathing silica dust may not cause noticeable injury to illness even though permanent lung damage may be occurring. Inhalation of dust may also cause silicosis.

Cancer Status: The International Agency for Research on Cancer (IARC) has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1 – carcinogenic to humans). The National Toxicology Program (NTP) classifies respirable crystalline silica as “known to be a human carcinogen”. The American Conference of Governmental Industrial Hygienists (ACGIH) classified crystalline silica, quartz, as a suspected human carcinogen (A2).

Skin Contact:

May be severely irritating to the skin

Eye Contact:

May be severely irritating to the eyes.

Ingestion:

Not anticipated route of exposure. May cause gastric distress, nausea and vomiting if ingested.

Chronic Health Effects:

See Inhalation Subsection above

Medical Conditions Aggravated by Exposure:

Individuals with respiratory disease, including but not limited to asthma, emphysema and bronchitis, or subject to eye irritation should not be exposed to respirable dust.

SECTION IV – FIRST AIDE MEASURES

Inhalation:

Remove person to fresh air. Get medical attention for any breathing difficulty.

Skin Contact:

Wash exposed area with soap and water. Remove contaminated clothing. Get medical advice if irritation develops.

Eye Contact:

Flush thoroughly with large amounts of running water for at least 30 minutes. Get medical advice if irritation develops.

Ingestion:

Drink water or milk to dilute. Get medical advice.

Advice to Physicians:

Treat symptomatically

SECTION V - FIRE FIGHTING MEASURES

Flash Point	Not applicable
Flammable Limits	Not applicable
Fire Extinguishing Media	Water spray, CO2, dry foam
Unusual Fire and Explosion Hazard	None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Release or Spill

Collect using dustless method and place in suitable container for reuse or disposal.

Personal Precautions

Wear appropriate protective equipment

Environmental Precautions

None

SECTION VII - HANDLING AND STORAGE

Handling

Precaution – This product may contain crystalline silica. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Wear a NIOSH approved respirator or equivalent when using this product.

Danger - Breathing crystalline silica can cause lung disease, including silicosis and lung cancer.

Storage

Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use. Do not reuse empty container. Avoid moisture.

SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation Requirements:

Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits listed in Section 3.

Respiratory Protection:

Use NIOSH approved mechanical filter respirator when dust levels exceed applicable exposure limits.

Skin Protection:

Work gloves optional

Eye Protection:

Wear safety glasses. Maintain eye wash station in work area.

Other Protection Equipment/Clothing

As appropriate for work area. Dusty clothing should be laundered before reuse.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Fibrous Powder
Color	Tan
Odor	Mild, slight earthy
pH	Not Applicable
Specific Gravity	>2
Boiling Range/Point	Not Applicable
Flash Point	Not Applicable
Explosion Limits (%)	Not Applicable
Solubility In Water	Negligible
Vapor Density (Air-1)	Not Applicable
Evaporation Rate (butyl acetate=1)	Not Applicable

SECTION X – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.

Materials to Avoid: Excessive heat, ignition sources, fluorine, chlorine, hydrofluoric acid .

Hazardous Polymerization: Will not occur

Hazardous Decomposition: None

SECTION XI - TOXICOLOGICAL INFORMATION

No acute toxicity data is available for product or components.

SECTION XII – ECOLOGICAL INFORMATION

No ecotoxicity data is available. This product is not expected to present an environmental hazard.

XIII – DISPOSAL

Dispose of material in accordance with all local, state, and federal regulations.

TRANSPORTATION INFORMATION

UN Proper Shipping Name	Not regulated
UN Label	None
UN Identification Number	None
Hazardous Ingredients	None
Placards	None
Reportable Quantity	None

REGULATORY INFORMATION

TSCA Listed	Yes
SARA Titled III Section 302	No
SARA Titled III Section 311/312	Yes- Delayed /Chronic Health Hazard
SARA Titled III Section 313	No
Canada	WHMIS Class D, Div. 2, Subdivision A (Quartz)
California (respirable) which is known to the State of California to	California Prop. 65. This product contains crystalline silica cause cancer

OTHER INFORMATION

Abbreviations

- N/A: Denotes no applicable information found or available
- CAS#: Chemical Abstracts Service Number
- ACGIH: American Conference of Governmental Industrial Hygienists
- NIOSH: National Institute for Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- STEL: Short Term Exposure Limit
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
- BOD: Biological Oxygen Demand

MSDS Date: 6/2006

The information and recommendations contained in this Material Safety Data sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

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