



MATERIAL SAFETY DATA SHEET

Address: 6005 North 100 West Redmond, Utah 84652
Phone: (866) 735-7258 Fax: (435) 529-7486

Effective Date: June 05, 2007

SECTION I. MATERIAL IDENTIFICATION

Chemical Name: Montmorillonite Type Clay Trade Name: Swell Clay™, Swell Gel™, Swell Plug™, Granular 12x0, Pondseals
Chemical Family: Mineral Formula: (Al₂O₃, 4SiO₂.H₂O)

SECTION II. INGREDIENTS AND HAZARDS

Contains: Crystalline Silica

TLV-TWA: Threshold Limit Value (TLV) – is 0.15 mg/m³, Time Weighted Average (TWA) (OSHA)

1. Not subject to reporting requirements under SARA, Title III, Sec. 313.
2. IARC – has determined that there is limited evidence for the carcinogenicity of crystalline silica to humans..
3. ACGIH – Respirable dust.

SECTION III. PHYSICAL DATA

Boiling Point at 1 atm, deg F:	Solid Material, NA	Specific Gravity (H ₂ O=1):	See Bulk Density
Vapor Pressure at (mm Hg):	Solid Material NA	Evap. Rate:	NA
Vapor Density (air = 1):	Solid Material NA	Volatiles, % by Volume:	None
Water Solubility:	Negligible	Molecular Weight:	364
		Bulk Density (loose):	50-70 lbs./ft ³

Appearance and Odor: Light brown to grayish white; milky.

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point and Method:	None	Auto Ignition Temp:	None
Flammability Limits in Air:	<u>LOWER</u> None <u>UPPER</u> None		
Extinguishing Media:	None Required		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosive Hazards:	None	TLV:	None Established

SECTION V. HEALTH HAZARD INFORMATION

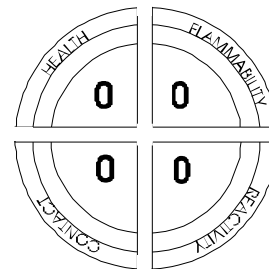
TARC Classification: Crystalline silica is classified by iARC as “2A-Probably carcinogenic to Humans.”

Effects of Overexposure:

- I. The prolonged inhalation of dusts may result in shortness of breath.
- II. May be irritating to mucus membranes and respiratory tract. Long term exposure to excessive concentrations of dust from products containing crystalline silica may cause lung damage (silicosis).
- III. Personnel should not be allowed to exceed the permissible exposure limit (PEL) of 0.15 mg/m³ 8-hour Time Weighted Average (TWA) measured as the respirable crystalline silica fraction.
- IV. May cause dryness of skin.

FIRST AID:

Eye Contact: Flush with copious amounts of water.
Skin Contact: Wash with soap and water.
Inhalation: Remove to fresh air.
Ingestion: In case of significant amounts, induce vomiting to purge.



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SECTION VI. REACTIVITY DATA

Stability	<u>STABLE:</u> X <u>UNSTABLE:</u>	<u>Conditions to Avoid:</u>	None Established
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Incompatibility (Materials to Avoid): None
Hazardous Decomposition: None
Hazardous Polymerization: MAY OCCUR: **Conditions to Avoid:** None Established
WILL NOT OCCUR: X

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spills, Leaks: (Steps to be taken) Sweep up
Waste Disposal Method: Dispose in accordance with state or local laws.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

Ventilation: None required other than normal
Local Exhaust: None
Mechanical (General): None
Special: None
Other: None
Protective Gloves: None Required
Eye Protection: Minimum - Safety Glasses
Other Protective Equipment or Precautions: NIOSH/MSHA approved respirators when working in dusty conditions.

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Storage & Handling Information: Store in dry area
Other Precautions: Can be slippery when wet.

DOT Class: None

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Signed: Redmond Minerals, Inc.

Title: Manufacture