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 (H₂O=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./ft³

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: LOWER None UPPER None        None Required
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.

SECTION VI. REACTIVITY DATA

Stability: STABLE: X                                    Conditions to Avoid: None Established
UNSTABLE:
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