SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: RevDust
Synonyms: Hydrated Sodium Calcium Aluminosilicate
CAS NUMBER: 1302-78-9
Manufacturer/Supplier: Milwhite, Inc.
5487 Padre Island Hwy.
Brownsville, TX 78521

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview: CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. NUISANCE DUST CONTAINS CRYSSTALLINE SILICA WHICH MAY CAUSE CANCER.

Potential Health Effects:

Inhalation: Excessive concentrations of dust may cause nuisance condition such as coughing, sneezing, and nasal irritation. Repeated inhalation may cause delayed lung injury.
Ingestion: Smectite is considered to be relatively non-toxic under normal use.
Skin Contact: Wash with soap and water. Direct contact may cause dryness and itching.
Eye Contact: Direct contact may cause mechanical irritation.
Chronic Hazards: Breathing crystalline silica can cause lung disease, including silicosis and lung cancer. Crystalline silica has also been associated with scleroderma and kidney disease.

<table>
<thead>
<tr>
<th>Substances</th>
<th>CAS Number</th>
<th>PERCENT</th>
<th>ACGIH TLV-TWA</th>
<th>OSHA PEL-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica, quartz</td>
<td>14808-60-7</td>
<td>1-5%</td>
<td>TWA: 0.025 mg/m³</td>
<td>10 mg/m³ (%Si02+2)</td>
</tr>
</tbody>
</table>

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substances</th>
<th>CAS Number</th>
<th>PERCENT</th>
<th>ACGIH TLV-TWA</th>
<th>OSHA PEL-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smectite</td>
<td>1302-78-9</td>
<td>60-100%</td>
<td>TWA: 10 mg/m³</td>
<td>15 mg/m³</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion: May cause gastric distress, nausea and vomiting if ingested.
Skin contact: Wash with soap and water. Contact a physician if irritation persists or later develops.
Eye contact: Wash thoroughly with running water at least 15 minutes. Get medical advice if irritation develops.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point/Range: Not Determined
Flash Point Method: Not Determined
Autoignition Temperature: Not Determined
Flammability Limits in Air-Lower (%): Not Determined
Flammability Limits in Air - Upper (%): Not Determined
Fire Extinguishing Media: All standard firefighting media
Special Exposure Hazards: Not applicable
Special Protective Equipment for Fire Fighters: Not applicable
NFPA Ratings: Health 1, Flammability 0, Reactivity 0
HMIS Ratings: Health 1, Flammability 0, Reactivity 0, PPE:E
Unusual Fire and Explosion Hazards: Not applicable
SECTION 6: ACCIDENTAL RELEASE MEASURES

General Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks Vacuum or sweep material and place in a suitable container. Avoid generating dust. Provide ventilation.
Environmental Precautions None Known.

SECTION 7: HANDLING AND STORAGE

Handling Use personal protection and controls as identified in Section 8. Avoid the generation of dust. Avoid contact with eyes and skin. Wash hands thoroughly after handling.
Storage Keep container closed, stored in a cool, dry, ventilated area. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls A system of local and/or general exhaust is recommended to keep employee exposures below the TLV limits and OSHA LIMITS Section 2 & 3.
Respiratory Protection Wear an appropriate NIOSH-approved respirator or equivalent. Respirator must comply with applicable MSHA or OSHA standards, which include provisions for a user-training program, respirator fit testing, and other requirements.
Skin Protection Work Gloves, Apron/Coveralls
Eye Protection Wear safety glasses or goggles to protect against exposure.
General Hygiene Wash dust-exposed skin with soap and water before eating drinking. Wash work clothes after each use.
Other Control Measures None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder
Color: Various
Odor: Odorless
pH: 7-10
Specific Gravity @ 20 C (Water=1): 2.5-2.7
Density @ 20 C (lbs./gallon): Not Determined
Bulk Density @ 20 C (lbs./ft3): 50-70
Boiling Point/Range (F): Not Determined
Boiling Point/Range (C): Not Determined
Melting Point/Freezing Point/Range (F): Not Determined
Melting Point/Freezing Point/Range (C): Not Determined
Vapor Pressure @ 20 C (mmHg): Not Determined
Vapor Density (Air=1): Not Determined
Percent Volatiles: Not Determined
Evaporation Rate (Butyl Acetate=1): Not Determined
Solubility in Water (g/100ml): Insoluble
Solubility in Solvents (g/100ml): Not Determined
VOCs (lbs./gallon): Not Determined
Viscosity, Dynamic @ 20 C (centipoises): Not Determined
Viscosity, Kinematic @ 20 C (centistokes): Not Determined
Partition Coefficient/n-Octano/Water: Not Determined
Molecular Weight (g/mole): Not Determined
SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None anticipated
Incompatibility (materials to Avoid): Not Determined
Hazardous Decomposition Products: Not Determined

SECTION 11: TOXICOLOGICAL INFORMATION

Carcinogenicity: IARC, NTP, OSHA or ACGIH does not list Smectite as a Carcinogen.
Toxicological effects ingredients-LD50 and LD50 Data:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt;5000 mg/kg</td>
</tr>
<tr>
<td>IARC Group</td>
<td>1</td>
</tr>
</tbody>
</table>

Principle Route of Exposure
Eye or skin contact, inhalation.

Inhalation
Inhaled crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (IARC, Group 1). There is sufficient evidence in experimental animals for the carcinogenicity of tridyrite (IARC2A). Breathing silica dust may cause irritation of the nose, throat, and respiratory passages. Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may also have serious chronic health effects (See “Chronic Effects/Carcinogenicity” subsection below).

Skin contact
May cause mechanical skin irritation.

Eye Contact
May cause eye irritation.

Ingestion
None known

Aggravated Medical Conditions
Individuals with respiratory, disease including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to quartz dust.

Chronic Effects/Carcinogenicity
Silicosis: Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling, and sometimes-fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness, and reduce pulmonary function. This disease is exacerbated by smoking. Individuals with silicosis are predisposed to develop tuberculosis.

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 can cause lung cancer in humans (Group 1 - carcinogenic to humans) and has determined that there is sufficient evidence in experimental animals for the carcinogenicity of tridyrite (Group 2A-possible carcinogen to humans). Refer to IARC Monograph volume 100C(2012) Arsenic, Metals, Fibres and Dusts (Silica Dust, Crystalline, in the form of Quartz of Cristobalite) in conjunction with the use of these minerals. The National Toxicology Program classifies respirable crystalline silica as “Known to be a human carcinogen”. Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienist (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by
scarring of the lungs, skin, and other organs) and kidney disease.

Other Information

For further information consult: Adverse Effects of Crystalline Silica Exposure published by the American Thoracic Society Medical Section of the American Lung Association, American Journal of Respiratory and Critical Care Medicine, Volume 155, pages 761-768 (1997).

Toxicity Tests

- Oral Toxicity: Not determined
- Dermal Toxicity: Not determined
- Inhalation Toxicity: Not determined
- Primary Irritation Effect: Not determined
- Carcinogenicity: Refer to IARC Monograph volume 100C(2012) Arsenic, Metals, Fibres and Dusts (Silica Dust, Crystalline, in the form of Quartz of Cristobalite)
- Genotoxicity: Not determined
- Reproductive/Developmental Toxicity: Not determined

SECTION 12: ECOLOGICAL INFORMATION

- Environmental Fate:
  - Mobility (Water/Soil/Air) Not determined
  - Persistence/Degradability Not determined
  - Bio-accumulation Not determined

- Environmental Toxicity:
  - Acute Fish Toxicity Not determined
  - Acute Crustaceans Toxicity Not determined
  - Acute Algae Toxicity Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

- Disposal Method: Bury in a licensed landfill according to federal, state and local regulations. Substance should not be deposited into a sewage facility.
- Contaminated Packaging: Follow all applicable national and local regulations. Contaminated packing may be disposed of by rendering packaging incapable of containing any substance, or by disposing of packaging into commercial waste collection.

SECTION 14: TRANSPORT INFORMATION

- Land Transportation
  - DOT Not restricted
  - Canadian TDG Not restricted
  - ADR Not restricted

- Air Transportation
  - ICAO/IATA Not restricted

- Sea Transportation
  - IMDG Not restricted

- Other Transportation Information
  - Labels None
SECTION 15: REGULATORY INFORMATION:

**US Regulations:**

**US TSCA Inventory**
All components listed on inventory or are exempt.

**EPA SARA Title III Extremely Hazardous Substances**
N/A

**EPA SARA (311,312) Hazard Class**
Acute Health Hazard; Chronic Health Hazard

**EPA SARA (313) Chemicals**
This product does not contain a toxic chemical for routine annual “Toxic Chemical Release Reporting” under Section 313 (40 CFR 372).

**EPA CERCLA/Superfund Spill Quantity**
N/A

**EPA RCRA Hazardous**
If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the U.S. EPA.

**California Proposition 65**
The California Proposition 65 regulations apply to this product.

**MA Right-to-Know Law**
One or more components listed.

**NJ Right-to-Know Law**
One or more components listed.

**PA Right-to-Know Law**
One or more components listed.

**Canadian Regulations:**

**Canadian DSL Inventory**
All components listed on inventory or are exempt.

**WHMIS Hazard Class**
D2A Very Toxic Materials
Crystalline Silica

SECTION 16: OTHER INFORMATION

**Date of Revision:** 02/05/2015

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**END of SDS**