Vital Earth's®
Powdered Glacial Rock
(Ultra Fine)

Material Safety Data Sheet

I. PRODUCT NAME/TRADE NAME: Vital Earth's® Powdered Glacial Rock (Ultra Fine)

Sizes: Sample, 1 lb/0.4536 kg, 4.4 lb/1.9958 kg, 10 lb/4.5359 kg, 22 lb/9.9790 kg, 44 lb/19.958 kg

EPA REGISTRATION #: none

CHEMICAL NAME/COMMON NAME: Glacial Rock Dust (Ultra Fine)

WHIMIS Classification of Product: Soil Treatment

Product Use:

II. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%</th>
<th>CAS #</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>55</td>
<td>140808-60-7</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Is not a controlled product and is not covered under Hazardous Product Act and WHIMIS.

Emergency Telephone Number: 503-493-2784

Information Telephone Number: 503-493-2784

Date Prepared: 01/15/08
#### III. PHYSICAL/CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>4046°F, 2230°C</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>2.65</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt;1832°F, &gt;1,000°C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>2930°F ,1610°C</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate + 1):</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Brown to grey powder, no odor</td>
</tr>
<tr>
<td>pH</td>
<td>6-7</td>
</tr>
</tbody>
</table>

#### IV. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point (Method Used)</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Water, CO2, dry chemical foam</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>
Special Fire Fighting

Procedures: Treat as class A. Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Do not breathe smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

Unusual Fire and Explosion Hazards: Avoid production of an extremely dusty air space in areas of local burning or electrical sparking.

V. REACTIVITY DATA

Chemical Stability: Stable
Incompatibility (Products to Avoid): Strong oxidizing agents

Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide

Hazardous Polymerization: Will Not Occur

Condition to Avoid: Exposure to acid

Reactivity, and under what conditions: Reacts with inorganic acids, giving carbon dioxide gas. Reacts with water forming polymerized silicates and calcium hydroxide.

VI. TOXICOLOGICAL PROPERTIES/HEALTH HAZARD DATA

Route(s) of Entry

Skin: Avoid Open Wound, No Absorption

Ingestion: Do not eat

Inhalation: Avoid

Eye Contact: Avoid

Health Hazard (Acute of Chronic): N/A
Carcinogenicity:

| IARC monographs | NTP | OSHA | YES | YES | YES |

Signs and Symptoms of Exposure:
Possible stomach disorders if taken orally, possible lung injury if breathed repeatedly.

Effects of Chronic exposure to product:
Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, lung cancer, pneumonoconiosis and pulmonary fibrosis. The International Agency for Research on Cancer (IARC) has evaluated in their Monograph Volume 68 (1997) that crystalline silica, quartz is a human carcinogen.

Irritancy of product:
Individuals with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure.

Sensitization to Product: N/A

Teratogenicity: None

Reproductive Toxicity: None

Mutagenecity: None

Synergistic Products: None
VII. PRECAUTION FOR SAFE HANDLING AND USE

Personal Protective Equipment

Respiratory: When dust is present, use a NIOSH/MSHA approved half- or a full-face respirator with a High Efficiency Particle Aerosol (HEPA) cartridge

Skin: Use gloves impervious to moisture. The use of a barrier cram is recommended.

Eyes: Use appropriate eye protection e.g.: goggles, to minimize contact with dust. Full protective hood is recommended for sandblasting.

Other: Wear sturdy work clothing and footwear for the specific application.

Environmental Hazards: Dike area to prevent entering drains, sewers or water courses.

Engineering controls: In restricted spaces, use effective ventilation, e.g. Local Air Ventilation. Do not permit excessive accumulation of dust in work areas. Best practice is to clean up with a vacuum equipped with a HEPA filter.
Steps to be taken in case material is released or spilled:

If uncontaminated, collect for reuse or disposal. Use a clean up system which does not create dust, e.g. a vacuum equipped with a HEPA filter. If contaminated or not required for reuse, dispose in approved landfill in accordance with local regulations.

Waste Disposal Method:

If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for containment with applicable local regulation(s).

Precaution to be taken in handling and storing:

Product should be kept in a dry place. Avoid creation of respirable dust if possible. Protect workers as above. Use effective ventilation and dust collection. Avoid eye and skin contact with wet product during use.

Special shipping information:

Protect from moisture.

VIII. CONTROL/First AID MEASURES/HEALTH PRECAUTION DATA

Respirator Protections:

Use only NIOSH/MSHA - approved respiratory protection for nuisance particles up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined
Ventilation: Local exhaust/general ventilation to control nuisance dust.

Protective/Work Gloves: Rubber, latex, vinyl, or other impervious gloves recommended

Eye Protection: Safety Goggles or glasses with side shields and brow protection Recommended.

Other Protective Clothing or Equipment: Not required

Work / Hygienic Practices: Wash to remove dust after use

Eyes: Flush with tempered water for at least 20 minutes. Obtain medical attention

Skin: Wash with soap and water. For caustic burns to skin consult a doctor.

Ingestion: Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.

Gross inhalation of dust: Remove to fresh air. Give oxygen with artificial respiration if required.
IX. SPECIAL PRECAUTIONS

Keep out of reach of children. Read and follow all label instructions.

X. PREPARATION DATE OF MSDS

Prepared by: Conscious Earthworks, LLC
Phone: 503-493-2784
Date: 01/15/08

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate as of the effective date given above, CONSCIOUS EARTHWORKS, LLC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond CONSCIOUS EARTHWORKS' LLC control. Therefore, users are responsible for determining whether under their own operating conditions the product is suitable for their particular use. Users assume all risks of use, handling, and disposal of the product. The publication, use of, or reliance upon information contained herein does not relate to the use of this product in combination with any other material or in any other process.

Furthermore, CONSCIOUS EARTHWORKS' LLC products are sold subject to the following LIMITATION OF LIABILITY AND DISCLAIMER:

LIMITATION OF LIABILITY AND DISCLAIMER:

NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS TO BE OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS AND/OR GENERALLY ACCEPTED APPLICATION PROCEDURES AND PRECAUTIONS. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF LIABILITY OF CONSCIOUS EARTHWORKS, LLC FOR ANY LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE REFUND OF THE PURCHASE PRICE. CONSCIOUS EARTHWORKS, LLC EXPRESSLY EXCLUDES AND DISCLAIMS ANY WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE OR USE.