



SAFETY DATA SHEET PRODUCT: PHOENIX GREEN

1. IDENTITY/DESCRIPTION

Identity: PHOENIX
Manufacturer: Soil & Plant Solutions LLC
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Ivins, UT 84738
Internet: www.soilplantsolutions.com
Emergency Phone Number: Tel: (608) 628-2654
Date: 03/10/17 Supersedes: 11/27/15
Material Description: Calcium Carbonate Suspension

2. HAZARDS IDENTIFICATION

Appearance: Non-combustible, odorless, white suspension.
Primary routes of entry: Skin contact, eye contact, ingestion and inhalation. (see section 4 below for first aid measures.) Care should be taken in handling this material to appropriate protective clothing and eye protection.
Hazard Classification: None

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
Limestone	1317-65-3	56%
Crystalline Silica, Quartz (impurity)	14808-60-7	0.06-1.25%
Other	-----	Balance

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with water for a minimum of 15 minutes. If irritation persists, seek medical attention.
Skin Contact: Exposure may cause skin irritation. Flush skin with water. If irritation persists, seek medical attention.
Carcinogenicity: This product is not listed as a carcinogen by the IARC, NTP, or OSHA.
Ingestion: No adverse effect is expected. If ingested, seek medical advice.
Inhalation: Upon drying, calcium carbonate can form a dust hazard. If exposure causes irritation, remove individual to fresh air. Aid in breathing, if necessary seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media: Material is non-combustible. All extinguishing media can be used. Use suitable media appropriate to the surrounding fire.
Unsafe extinguishing media: None
Special exposure hazards: None

Special protective equipment Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing into a sanitary drain.

Clean up methods: Materials can be swept, scooped or vacuumed into an appropriate container for safe disposal.

7. HANDLING AND STORAGE

Handling: Product has a high specific gravity. Use caution when lifting.
Storage: Store in water tight containers and avoid freezing temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use mechanical ventilation
Eye protection: Safety glasses with side shields
Skin and Body protection: Light weight protective clothing and gloves
Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Components	OSHA PEL	ACGIH TLV
Calcium Carbonate	5 mg/m ³ Respirable Fraction 15 mg/m ³ Total Dust	10 mg/m ³ Total Dust
Crystalline Silica, Quartz (impurity)	(10 mg/m ³)/(%SiO ₂ + 2) Respirable Fraction (30 mg/m ³)/(SiO ₂ + 2) Total Dust	0.05 mg/m ³ Total Dust

Unless otherwise noted, all Personal Exposure Limits (PEL) and Threshold Limit Values (TLV) are reported as 8 hour time weighted averages.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid suspension
Density: 1.67 g/mL
pH (5% w/w suspension): 8.4 – 10.2
water solubility (20° C): 1.3 mg/L

10. STABILITY AND REACTIVITY

Stability: Stable, however, if separation occurs, suspension can be mixed
Conditions to avoid: Do Not Freeze
Materials to avoid: Do Not Mix with materials that will lower the pH of suspension (acids)
Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION

Eye irritation: Calcium Carbonate may cause temporary eye irritation
Skin irritation: Calcium Carbonate is a moderate skin irritant and may dry skin and mucous membranes.
Sensitization: Does Not cause sensitization
Ingestion: Calcium Carbonate oral LD(50) is 6450 mg/kg

Inhalation: Inhalation of excessive quantities of dust for prolonged and continuous periods of time, may aggravate existing asthmatic or respiratory conditions. (Consult: Dangerous Properties of Industrial Materials)

12. ECOLOGICAL INFORMATION

Mobility:	Inert material
Persistence/Degradability	Non-degradable
Bio-accumulative potential	None

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose in accordance with local, state and national regulations. Under the Resource Conservation and Recovery Act (RCRA, 40 CFR 261) ground limestone is a non-hazardous waste.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

15. OTHER INFORMATION

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