

Safety Data Sheet



Section 1: Identification

Product Name:	Down To Earth Granular Root Zone	Manufacturer:	Down To Earth Distributors, Inc.
Common Name(s):	N/A	Physical Address:	3030 Judkins Road Eugene, OR 97403
Product Code:	N/A	Mailing Address:	PO Box 1419 Eugene, OR 97440
CAS #:	N/A	Telephone Number:	541-485-5932
Recommended Use:	Inoculant	Emergency #:	800-234-5932
Restrictions:	N/A		

Section 2: Hazard Identification

Hazard Group: Health
Hazard Classes: Category 1A

Hazard Statements

H335: May cause respiratory irritation
H350: May cause cancer by inhalation
H372: Causes damage to lungs through prolonged or repeated exposure by inhalation



Health Hazard

Precautionary Statements

Prevention

P202: Do not handle until all safety precautions have been read and understood
P260: Do not breathe dust
P264: Wash skin thoroughly after handling
P280: Use a particle mask and nitrile gloves under normal conditions

Response

P302: If on skin: wash with plenty of soap and water
P304: If inhaled: remove person to fresh air and keep comfortable for breathing
P305: If in eyes: rinse cautiously with water for several minutes
P333: If skin irritation or rash occurs, wash area thoroughly and receive medical attention

Storage

P402: Store in a dry place. Avoid excessive humidity or moisture.

Disposal

P501: Dispose of contents in a compost pile, garden, or landfill in accordance with local, state, and federal regulations.

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Section 3: Composition/Information on Ingredients

Ingredients

Chemical Name	Common name/Synonyms	CAS Number	%
Silica Hydrated (Amorphous Opaline Silica)		7631-86-9	25 - 50
Quartz (Respirable <0.1%)		14808-60-7	< 1
Other Ingredients – Non-Hazardous		Proprietary*	25 – 50
Trade Secret		Proprietary*	< 4

* Indicates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. If respiratory distress continues, seek medical attention.
- Skin Irritation:** Wash with plenty of soap and water. If irritation persists, seek medical attention.
- Eye:** Rinse cautiously with water for several minutes. If irritation persists, seek medical attention.
- Ingestion:** If gastrointestinal distress occurs, seek medical attention.
- Allergen:** This product may cause an allergic reaction. If an allergic reaction occurs, seek medical attention immediately.

Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media:** Water, regular foam, carbon dioxide, dry chemical
- Unsuitable Extinguishing Media:** None
- Flash Point:** N/A
- Specific Fire-Related Hazards:** None
- Special Fire-Fighting Procedures:** None
- Unusual Fire/Explosion Hazards:** None

Section 6: Accidental Release Measures

- Personal Precautions:** Wear a particle mask and nitrile gloves during handling
- Environmental Precautions:** None
- Methods for Handling Spills:** In case of spill: handle using nitrile gloves and wear a particle mask. Employ best-practice sanitation methods for clean-up. Utilize a vacuum or sweep the product with a broom and dispose in a garbage receptacle. There are no special emergency procedures for clean-up.



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Section 7: Handling and Storage

Safe Handling: Avoid breathing dust. Ensure good ventilation/exhaustion at the workplace. Wear gloves and a particle mask when handling and transporting. Avoid excessive humidity, contact with moisture, and extreme temperatures to retain product functionality. There are no known incompatibilities with this material.

Storage: Store in a dry area. Keep container tightly sealed.

Section 8: Exposure Control/Personal Protection

Occupational Exposure Limits:

Components	Type	Value
Silica Hydrated (Amorphous Opaline Silica)	TWA OSHA PEL	80 mg/m ³ % SiO ₂
Quartz (Crystalline Silica – respirable <1%)	TWA OSHA	30 mg/m ³ % SiO ₂ (total dust)
	TWA OSHA PEL	10 mg/m ³ % SiO ₂
	TWA ACGIH TLV	0.025 mg/m ³ (respirable dust)

Recommended PPE and Handling Practices

Respiratory: Particle mask/Respirator

Skin Protection: Nitrile gloves

Eye Protection: Safety glasses

Hygiene: Wash hands thoroughly with soap and water

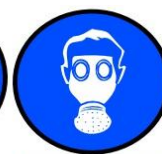
Ventilation: Ensure workspace is well-ventilated



Safety Glasses



Gloves



Particle Mask / Respirator

Section 9: Physical and Chemical Properties

Appearance:	Brown to tan granular solids and fines	Melting Point:	N/A
Flammability Limits:	N/A	Freezing Point:	N/A
Odor:	No odor	Solubility in Water:	Insoluble
Odor Threshold:	N/A	Initial Boiling Point:	N/A
Vapor Pressure:	N/A	Boiling Range:	N/A
Vapor Density:	N/A	Flash Point:	N/A
pH:	6.3-6.8	Evaporation Rate:	N/A
Relative Density:	30-35 lb/ft ³	Flammability:	Not flammable
		Viscosity:	N/A

Section 10: Stability and Reactivity

Reactivity: No specific test data is currently available

Chemical Stability: Product is stable under normal temperatures and conditions

Conditions to Avoid: Extreme temperatures and excessive moisture

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Required Stabilizers:	None
Incompatibility:	None currently known
Hazardous Decomposition:	None currently known
Hazardous Polymerization:	Will not occur
Hazardous Reactions:	None currently known

Section 11: Toxicological Information

Primary Routes of Exposure: Inhalation, skin contact, and eye contact

Symptoms of Exposure: May act as a slight irritant to the skin or respiratory system. Slight dermatitis may occur. Mild respiratory irritation and cough may occur. Rash and swelling may occur in skin. Mild respiratory distress and frequent coughing may occur.

LD50: Currently unknown.

Carcinogenicity: The International Agency for Research on Cancer (IARC), in Monograph 100C has concluded that crystalline silica inhaled in the form of quartz is carcinogenic to humans (Group 1). Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. The National Toxicology Program (NTP) classifies crystalline silica as a known carcinogen. Applications and exposure data indicate that exposure to respirable quartz in this product with normal use is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV). The manufacturer is not aware of any scientific or medical data available indicating that exposure to respirable crystalline silica from this product under conditions of normal use will cause silicosis or cancer. Adverse effects would not be expected from normal use of this product.

Reproductive Toxicity: Currently unknown.

Repeat Dose Toxicity: No toxicity data available. Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains <0.1% respirable crystalline silica. Excessive inhalation of respirable crystalline silica may cause silicosis, a progressive, disabling and fatal disease of the lung. Symptoms may include cough, shortness of breath, wheezing and reduced pulmonary function.

Medical Conditions Aggravated by Exposure: Allergic reaction may occur



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Section 12: Ecological Information

Ecology:	Currently unknown
Ecological Effects:	There are no known ecological effects
Toxicity Testing:	Currently unknown
Bioaccumulation Potential:	Currently unknown

Section 13: Disposal Considerations

Disposal Containers:	There are no known restrictions on disposal containers
Disposal Methods:	Recommended disposal is use as biological inoculant in a compost pile, garden, or other plant-based ecosystem. Alternatively, product may be disposed of in a landfill in accordance with local, state, and federal regulations.
Disposal Restrictions:	Do not dispose through sewage systems. Do not burn as a method of disposal.

Section 14: Transport Information

UN Number:	None assigned
UN Proper Shipping Name:	None assigned
Transport Hazard Class:	Non-hazardous
Environmental Hazards:	None known
Guidance on Bulk Transport:	Use best known practices when shipping in bulk
Special Precautions:	None known

Section 15: Regulatory Information

CERCLA/Superfund:	None
SARA Hazard: Category (311/312)	Chronic Health
SARA 313:	None
TSCA:	Components of this product are listed on the EPA TSCA Inventory or exempt from notification requirements.
California Prop 65:	This product contains respirable crystalline silica which is known to the state of California to cause cancer.
EINECS:	Components of this product are listed in the EINECS Inventory or exempt from notification requirements.



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EEC R&S Phrases: Xn Harmful, R48/20 Harmful: Danger of serious damage to health by prolonged exposure by inhalation; S22 Do not breathe dust; S38 In case of insufficient ventilation, wear suitable respirator equipment.

Section 16: Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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