



Safety Data Sheet

Section 1: Identification

Product Name:	Down To Earth Garden Sulfur Soil Acidifier	Manufacturer:	Down To Earth Distributors, Inc.
Common Name(s):	gypsum, elemental sulfur	Physical Address:	3030 Judkins Road Eugene, OR 97403
Product Code:	N/A	Mailing Address:	PO Box 1419 Eugene, OR 97440
CAS #:	13397-24-5; 7704-34-9; 1302-78-9	Telephone Number:	541-485-5932
Recommended Use:	Fertilizer	Emergency #:	800-234-5932
Restrictions:	Follow safe handling practices.		

Section 2: Hazard Identification

Hazard Group: Health
Hazard Classes: Skin irritation (Category 2); Eye irritation (Category 2A); Skin sensitization (Category 1B); Carcinogenicity (Category 1A)



Hazard Statements

H333: May be harmful if inhaled
H335: May cause respiratory irritation
H350: May cause cancer by inhalation
H372: Causes damage to lungs through prolonged or repeated exposure by inhalation

Precautionary Statements

Prevention

P210: Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
P264: Wash skin thoroughly after handling
P261: Avoid breathing dust
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.



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Disposal

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

Section 3: Composition/Information on Ingredients

Ingredients

Chemical Name	Common name/Synonyms	CAS Number	%
Gypsum		13397-24-5	> 70
Sulfur		7704-34-9	> 28
Bentonite	Clay	1302-78-9	< 1.5
Quartz (Respirable < 0.1%)		14808-60-7	< 0.5

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



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or sweep the product with a broom and dispose in a garbage receptacle.
There are no special emergency procedures for clean-up.

Section 7: Handling and Storage

Safe Handling: 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.

Section 8: Exposure Control/Personal Protection

Occupational Exposure Limits:

Components	Type	Value
Quartz (Respirable < 0.1%)	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

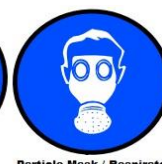
Respiratory: Particle mask/Respirator
Skin Protection: Nitrile gloves
Eye Protection: Safety glasses
Hygiene: Wash hands thoroughly with soap and water
Ventilation: Ensure workspace is well-ventilated



Safety Glasses



Gloves



Particle Mask / Respirator

Section 9: Physical and Chemical Properties

Appearance:	Mixture of gray to brown granules with green to tan pastilles	Melting Point:	115 °C (239 °F) (Sulfur)
Flammability Limits:	Unknown	Freezing Point:	N/A
Odor:	Minimal odor	Solubility in Water:	Insoluble
Odor Threshold:	Unknown	Initial Boiling Point:	N/A
Vapor Pressure:	Unknown	Boiling Range:	N/A
Vapor Density:	Unknown	Flash Point:	Unknown
pH:	6.5-7.0	Evaporation Rate:	N/A
Relative Density:	40-45 lb/ft ³	Flammability:	Flammable solid (Sulfur)
		Viscosity:	Unknown

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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
Required Stabilizers:	None
Incompatibility:	None currently known
Hazardous Decomposition:	Combustion by-products include Sulphur Dioxide and Hydrogen Sulphide.
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. Possible allergic reactions in sensitive individuals. Rash and swelling may occur in skin. Mild respiratory distress and frequent coughing may occur. No studies currently known describing effects of delayed, immediate, or chronic effects from short- and long-term exposure.
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



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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

Section 12: Ecological Information

Ecology: Prevent uncontrolled release to the environment.
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 fertilizer 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: Chronic Health
Category (311/312)
SARA 313: None



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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.
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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