

Safety Data Sheet



Section 1: Identification

Product Name:	Down To Earth Solution Grade Langbeinite 0-0-21.5	Manufacturer:	Down To Earth Distributors, Inc.
Common Name(s):	potassium magnesium sulfate, langbeinite	Physical Address:	3030 Judkins Road Eugene, OR 97403
Product Code:	N/A	Mailing Address:	PO Box 1419 Eugene, OR 97440
CAS #:	14977-37-8	Telephone Number:	541-485-5932
Recommended Use:	Fertilizer	Emergency #:	800-234-5932
Restrictions:	N/A		

Section 2: Hazard Identification

Hazard Group: Health
Hazard Classes: Potential eye irritant and skin irritant (Category 2A and 3)

Hazard Statements

- H305: May be harmful if swallowed and enters airways
- H316: Causes mild skin irritation
- H320: Causes eye irritation
- H333: May be harmful if inhaled
- H335: May cause respiratory irritation



Warning

Precautionary Statements

Prevention

- P261: Avoid breathing dust
- P264: Wash skin thoroughly after handling
- P280: Use a particle mask and nitrile gloves under normal conditions

Response

- P304: If inhaled: remove person to fresh air and keep comfortable for breathing
- P305: If in eyes: rinse cautiously with water for several minutes
- P308: If exposed or concerned get medical attention

Storage

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

Disposal

- P501: Dispose of contents in an approved waste disposal site 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	%
Potassium Magnesium Sulfate	(Langbeinite)	14977-37-8	> 88 - 100
Sodium Chloride		7647-14-5	< 0.5 -12

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: 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: There are no exposure limits defined for this product.

Recommended PPE and Handling Practices

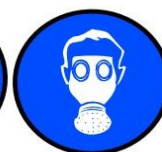
Respiratory: Particle mask/Respirator
Skin Protection: Nitrile gloves
Eye Protection: Safety glasses
Hygiene: Wash hands thoroughly with soap and water
Ventilation: Ensure workspace is well-ventilated



Safety Glasses



Gloves



Particle Mask / Respirator

Section 9: Physical and Chemical Properties

Appearance:	White powder	Freezing Point:	Unknown
Flammability Limits:	Unknown	Solubility in Water:	Unknown
Odor:	None	Initial Boiling Point:	Unknown
Odor Threshold:	Unknown	Boiling Range:	Unknown
Vapor Pressure:	Unknown	Flash Point:	Unknown
Vapor Density:	Unknown	Evaporation Rate:	N/A
pH:	7.0-9.0	Flammability:	Unknown
Specific Gravity:	1.98 g/ml	Viscosity:	Unknown
Melting Point:	>1000°C		

Section 10: Stability and Reactivity

Reactivity: May react with incompatible materials
Chemical Stability: Product is stable under normal temperatures and conditions
Conditions to Avoid: Extreme temperatures and excessive moisture
Required Stabilizers: None
Incompatibility: Strong oxidizing agents, Strong Acids

Hazardous Decomposition: May include but not limited to: oxides of sulfur.
Hazardous Polymerization: Will not occur
Hazardous Reactions: None currently known

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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: Currently unknown

Reproductive Toxicity: Currently unknown

Medical Conditions Aggravated by Exposure: Allergic reaction may occur

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 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

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Section 15: Regulatory Information

CERCLA/Superfund:	None
SARA Hazard:	None
Category (311/312)	
SARA 313:	None
TSCA:	Not regulated
California Prop 65:	This product contains substances known to the state of California to cause cancer and/or birth defects or other reproductive harm.
EINECS:	Components of this product are listed in the EINECS Inventory or exempt from notification requirements.
EEC R&S Phrases:	Not regulated

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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