Section 1: Identification

Product Name: Down To Earth Solution Grade Langbeinite 0-0-21.5
Common Name(s): potassium magnesium sulfate, langbeinite
Product Code: N/A
CAS #: 14977-37-8
Recommended Use: Fertilizer
Restrictions: N/A

Manufacturer: Down To Earth Distributors, Inc.
Physical Address: 3030 Judkins Road
Mailing Address: PO Box 1419
Telephone Number: 541-485-5932
Emergency #: 800-234-5932

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
H330: May be harmful if inhaled
H335: May cause respiratory irritation

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.
Safety Data Sheet

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common name/Synonyms</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Magnesium Sulfate</td>
<td>(Langbeinite)</td>
<td>14977-37-8</td>
<td>&gt;88%</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td></td>
<td>7647-14-5</td>
<td>&lt;0.5%</td>
</tr>
</tbody>
</table>

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.
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

Section 9: Physical and Chemical Properties

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

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

Preparation Date: 12/27/2018
Revision Date: 12/27/2018
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Section 15: Regulatory Information

CERCLA/Superfund: None
SARA Hazard: None
Category (311/312) None
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.

Date of Preparation: 12/27/2018  Date of Revision: 12/27/2018