

MATERIAL SAFETY DATA SHEET (MSDS)

Section I

Identity

Manufactured / Distributed By:
Down To Earth Distributors, Inc.
3030 Judkins Road
Eugene, OR 97403

Product Name:
Down To Earth Langbeinite 0-0-22

Emergency Telephone: **1-800-234-5932**
Information Telephone: **1-800-234-5932**

Date Prepared:
10/2/2012

Section II

Hazardous Ingredients / Identity Information

Hazardous Components: (Specific chemical identity, common names) OSHA PEL / ACGIH TLV / Other Recommended / % (optional)

No direct hazardous components are known.

Down To Earth Langbeinite 0-0-22 is comprised of Potassium Magnesium Sulfate (Sulfate of Potash Magnesia).

CAS No. 14977-37-8

Formula :

K₂SO₄2MgSO₄

Section III

Physical / Chemical Characteristics

Boiling Point:	N/A	Specific Gravity (H ₂ O = 1):	2.81-2.85
Vapor Pressure (mm Hg):	N/A	Melting Point:	972°
Vapor Density (Air = 1):	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A
Solubility in Water:	Approx 24.4%	pH:	7.04

Appearance & Odor:

White to gray, crystalline or granular.

Odorless.

Section IV

Fire and Explosion Hazard Data

Flash Point (Method Used):	Non-Flammable
Flammable Limits / LEL / UEL:	N/A
Extinguishing Media:	Water Spray
Special Fire Fighting Procedures:	Use standard self contained breathing apparatus.
Unusual Fire and Explosion Hazards:	No acute hazard

Section V

Reactivity Data

Stability:	Stable
Incompatibility (Materials To Avoid):	Avoid contact with hot nitric acid and other strong acids.
Hazardous Polymerization:	Will Not Occur
Hazardous Decompositions or Byproducts:	Combustion can yield oxides of sulfur above 1000° F
Conditions to Avoid:	Mildly corrosive to metals in the presence of moisture.

MATERIAL SAFETY DATA SHEET (MSDS)

Section VI

Health Hazard Data

Health Hazards:

No known acute health hazards. No known chronic health hazards.

Nuisance dust may require use of dust mask and safety glasses. Gloves are recommended.

Carcinogenicity:

N/A

Routes of Entry:

Inhalation / Skin / Ingestion

Signs and Symptoms of Exposure:

None serious. Temporary skin irritation may result from prolonged exposure.

Medical Conditions Aggravated by Exposure:

None Known

Emergency and First Aid Procedures:

Wash thoroughly with soap and water after handling. Ingestion can cause nausea or vomiting. If ingested, give large amounts of water and call a physician.

Section VII

Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Shovel up large spills for use or disposal. Sweep up small spills.

Waste Disposal Method:

Handle like any natural fertilizing material. Dispose of in accordance with local, state and federal regulations. Disposal in waterways or sensitive areas should be avoided.

Precautions to be taken in Handling and Storage:

Store in a dry place.

Other Precautions:

Proper precautions are advised to prevent inhalation of excessive amounts of dust, eye irritation and ingestion.

Section VIII

Control Measures

Respiratory Protection (Specify):

Standard respirator for dust.

Local Exhaust Ventilation:

Open windows and doors as needed.

Mechanical Ventilation (General):

Roof or wall exhausters as needed.

Protective Gloves:

Ordinary work gloves or rubber gloves.

Eye Protection:

Safety glasses as needed.

Other Protective Clothing or Equipment:

Ordinary protective clothing.

Work / Hygienic Practices:

Wash thoroughly with soap and water after handling. Use of proper hygienic practices is advised to prevent possible health hazards from any naturally occurring substance such as fertilizers, soil, composts, etc.