

## Material Data Safety Sheet

**Identity (as used on label or list)**

Bio-Turf Fertilizer

**Manufacturer**

 Down To Earth Distributors  
 P.O. Box 1419; Eugene, OR 97440

**Emergency Telephone Number:**

541-485-5932

**Information Telephone Number:**

541-485-5932

**Date Prepared**

1/10/05

**Section 2- Hazardous Ingredients / Identity Information**

OSHA &amp; ACGIH nuisance dust limits

for dried bone:

 OSHA PEL 8 hour TWA: Total 15mg/m<sup>3</sup> Respirable 5mg/m<sup>3</sup>

 ACGIH TLV 8 hour TWA: Total 10mg/m<sup>3</sup> Respirable 5mg/m<sup>3</sup>

for potash:

 ACGIH TLV 8 hour TWA: Total 10mg/m<sup>3</sup> Respirable 5mg/m<sup>3</sup>
**Section 3 - Physical / Chemical Characteristics**

Boiling Point:	N/A	Specific Gravity (H <sub>2</sub> O=1)	34 lbs/ft <sup>3</sup>
Vapor Pressure (aa Hg):	N/A	Melting Point:	N/A
Vapor Density (Air = 1):	N/A	Evaporation Rate (Butyl Acetate + 1):	N/A
Solubility in Water:	Appreciable		
Appearance and Odor:	Green-brown pellets, alfalfa smell		

**Section 4 - Fire and Explosion Hazard Data**

Flash point (Method Used):	N/A	Flammable Limits:	This material is slightly combustible due to residual protein. Direct flame results in short lived sustained flame. Dust explosion conditions unknown. Use water to extinguish.
Extinguishing Media:	Water, CO <sub>2</sub> , dry chemical foam		
Special Fire Fighting Procedures:	Treat as class A		
Unusual Fire and Explosion Hazards:	Avoid production of an extremely dusty air space in areas of local burning or electrical sparking	LEL:	N/A
		UEL:	N/A

**Section 5 - Reactivity Data**

Stability:	Stable
Incompatibility (Products to Avoid):	None Known
Hazardous Decomposition or Byproducts:	None Known
Hazardous Polymerization:	Will Not Occur
Condition to Avoid:	N/A

**Section 6- Health Hazard Data**

Route(s) of Entry	Inhalation: Avoid	Skin: Avoid Open Wound	Ingestion: Do Not Eat
Health Hazard (Acute or Chronic):	Potential of chronic lung infection (Histoplasmosis). This contains biologically active manure.		
Carcinogenicity:	N/A		
Signs and Symptoms of Exposure:	Inhalation of large amount of dust will cause temporary breathing problem. Ingestion of moderate amounts of any manure can cause nausea and vomiting.		

**Section 7- Precaution for Safe Handling and Used**

Steps to be taken in case material is released or spilled:	Sweep up with broom or remove with vacuuming.
Waste Disposal Method:	Employ normal disposal procedures.
Precaution to be taken in handling and storing:	Product should be kept in a dry place.
Other Precautions:	None

**Section 8- Control Measures**

Respirator Protections:	Dust Mask with organic vapor filter.
Ventilation:	Local Exhaust
Protective Gloves:	Not required
Eye Protection:	Goggles Recommended
Other Protective Clothing or Equipment:	Not required
Work / Hygienic Practices:	Wash to remove dust after use

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