

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **Lilly Miller Bone Meal 6-12-0**

Synonyms

- 100099088; 100099125; UPC #: 0-70624-01005-1; UPC #: 0-70624-01006-8

Product Description

- Tan, brown, gray granules.

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- Plant fertilizer.

Restrictions on use

- Keep out of the reach of children and domestic animals. Avoid contact with eyes, skin or clothing.

Details of the supplier of the safety data sheet**Manufacturer**

- Lilly Miller Brands
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339
United States

www.pennington.com

Emergency telephone number**Manufacturer**

- 1-800-265-0761

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture**OSHA HCS 2012**

- Not classified; does not meet hazard criteria.

Label elements**OSHA HCS 2012**

Hazard statements • No label element(s) required

Other hazards**OSHA HCS 2012**

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200

Hazard Communication Standard.

Section 3 - Composition/Information on Ingredients

Substances

Composition		
Chemical Name	Identifiers	%
Bone Meal	CAS:68409-76-7	100%

Mixtures

- Material does not meet the criteria of a mixture according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

Skin

- IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media

- Avoid heavy hose streams.

Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- No data available

Hazardous Combustion Products

- No data available

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Use appropriate Personal Protective Equipment (PPE).

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Wash hands thoroughly with soap and water after handling. Wear appropriate personal protective equipment, avoid direct contact.

Conditions for safe storage, including any incompatibilities

Storage

- Keep out of reach of children. Keep container/package tightly closed and in a well-ventilated place.

Incompatible Materials or Ignition Sources

- Do not store near hazardous or toxic substances. Heat, sparks, open flame. Strong bases.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls

- No data available

Personal Protective Equipment**Pictograms****Respiratory**

- If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved respiratory protection.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Tan, brown, gray granules.
Color	Tan, brown, gray.	Odor	Organic and earthy.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	No data available	Bulk Density	40 to 60 lb(s)/ft ³
Water Solubility	Insoluble	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0 %
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔH_c)	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- Strong bases.

Hazardous decomposition products

- No data available.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause respiratory irritation.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** • Long-term exposure and may cause redness or chafing.

Eye

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available

Other

- Chronic (Delayed)** • No data available.

Mutagenic Effects

- No data available.

- Carcinogenic Effects** • No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.
- Reproductive Effects** • No data available.

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Other adverse effects

- Potential Environmental Effects** • No data available.

Section 13 - Disposal Considerations

Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

- Special precautions for user** • None specified.

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

Inventory		
Component	CAS	TSCA
Bone Meal	68409-76-7	Yes

Section 16 - Other Information

Revision Date	<ul style="list-style-type: none">• 01/September/2016
Last Revision Date	<ul style="list-style-type: none">• 01/September/2016
Preparation Date	<ul style="list-style-type: none">• 01/September/2016
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