



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Bone Meal**
 Formula: Bone Meal
 CAS No.: N/A
 Recommended Use: Fertilizer

Company Identification: **Encap, LLC**
 320 N Broadway, Suite 340
 Green Bay, WI 54303
 Phone: (877) 405-5050

2. HAZARDS IDENTIFICATION

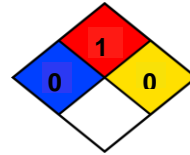
HMIS Classification

Health Hazard:	0	HEALTH	0
Chronic Health Hazard:	-	FIRE	1
Flammability:	1	REACTIVITY	0
Physical Hazards:	0	PPE	E
Personal Protection:	E		

(Safety glasses, gloves, and dust respirator)

NFPA Rating

Health Hazard: 0
 Fire: 1
 Reactivity Hazard: 0
 Special Hazard: None



Physical Hazards:

Not classified

Health Hazards:

May cause temporary respiratory irritation

GHS Labeling

Symbol: None
 Signal Word: No signal word

Hazard Statements:

H335 May cause respiratory irritation. Respiratory irritation Category 3

GHS Hazard Categories

Precautionary Statements:

P102-Keep out of the reach of children.

Hazards Not Otherwise Classified:

Unknown

OSHA Hazards

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Target Organs

None

Potential Immediate Health Effects

Inhalation: Respiratory tract irritation; coughing.
 Skin: No known significant effects or critical hazards.
 Eyes: No known significant effects or critical hazards.
 Ingestion: No known significant effects or critical hazards.

3. COMPOSITION

Chemical Identity: Bone Meal 100%
 Common Name: Bone Meal
 CAS No.: 68409-76-7
 Impurities: None

Earth Science Bone Meal

4. FIRST AID MEASURES

EYE:

Symptoms: No known significant effects or critical hazards.
Irrigate immediately. If this product contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Seek medical attention if needed.

SKIN:

Symptoms: No known significant effects or critical hazards.
Rinse and then wash skin with water and soap. Seek medical attention if needed.

INHALATION:

Symptoms: Respiratory tract irritation.
Fresh air. If a person breathes in large amounts of this product, move to fresh air at once. If not breathing, give artificial respiration. Seek medical attention if needed.

INGESTION:

Symptoms: No known significant effects or critical hazards.
Rinse mouth. Do not induce vomiting. If needed, seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire. Small fire: use dry chemical powder. Large fire: water spray, fog or foam.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment for Fire-Fighters

Self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation.

Environmental Precautions

Prevent product from entering drains.

Methods and Materials for Containment and Clean-up

Sweep spilled substance into containers; if appropriate, moisten first to prevent dust. Reuse if not contaminated.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid container breakage. Eating, drinking, and smoking should be prohibited in areas where this material is handled or stored. Do not ingest. Wear appropriate respirator when ventilation is inadequate. Do not reuse empty containers.

Recommended Conditions for Storage

Keep closed and away from moisture in a well ventilated area.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	CAS No.	ACGIH TLV	OSHA/PEL
Bone Meal	No CAS No.	Unknown	Unknown

Engineering Controls

Local exhaust ventilation recommended. Running water should be available in case material gets in eyes. Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Wash clothing before reusing.

Personal Protective Equipment

Respiratory Protection

NIOSH (US) or CEN (EU) approved respirator for dusts.

Hand Protection

None required for normal use. If prolonged or repeated use irritates skin, use nitrile gloves.

Skin and Body Protection

Long sleeves.

Eye Protection

Not required, but NIOSH (US) or CEN (EU) approved safety glasses with side shields, goggles, or face shield are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to grey powder
Odor: Meal
Odor threshold: Unknown
pH: Unknown
Melting Point: Unknown
Freezing Point: Unknown
Evaporation Rate: 0
Flammability: Flammable
Explosion Limits: Unknown
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity: Unknown
Solubility in Water: Partly soluble
Partition coefficient: Unknown
Auto-ignition temp.: Unknown
Decomposition temp.: Unknown
Viscosity: N/A
Other: Unknown

10. STABILITY AND REACTIVITY

Reactivity: Reactive or incompatible with oxidizing materials, acids, and heat due to being flammable.

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Oxidizing materials, acids, and heat.

Hazardous Decomposition Products: Under normal conditions, hazardous decomposition products should not be produced.

Earth Science Bone Meal

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes, ingestion, skin, inhalation

Potential Health Effects

Inhalation: Respiratory tract irritation; coughing.

Ingestion: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Eyes: No known significant effects or critical hazards.

Acute Toxicity

No data available.

Reproductive Toxicity

No data available.

Germ Cell Mutagenicity

No data available.

Specific target organ toxicity - single exposure

Adverse health effects are not expected under normal use.

Specific target organ toxicity - repeated exposure

Adverse health effects are not expected under normal use.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

IARC = International Agency for Research on Cancer

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.

ACGIH = American Conference of Industrial Hygienists

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

NTP = National Toxicology Program

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.

OSHA = Occupational Safety and Health Administration

12. ECOLOGICAL INFORMATION

Toxicity

No known significant effects or critical hazards.

Mobility

Water contaminating.

Persistence and Degradability

Not applicable.

PBT and vPvB Assessment

Not applicable.

Bioaccumulative Potential

Not applicable.

Other Adverse Effects

No data available.

13. DISPOSAL CONSIDERATIONS

May be disposed of as an inert solid in sanitary landfill or by other procedures in accordance with all federal, state and local regulations.

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14. TRANSPORT INFORMATION

DOT (US)

This material is not regulated by the DOT.

IMDG

This material is not regulated by the IMDG.

IATA

This material is not regulated by IATA.

15. REGULATORY INFORMATION

OSHA Hazards

None of the chemicals in this product are listed as highly hazardous by OSHA.

DSL Status

This substance is not on the Canadian Domestic Substance List (DSL) list.

SARA 302 Compounds

No chemicals in this material are subject to SARA Title III, Section 302 reporting.

SARA 313 Compounds

No chemicals in this material are subject to the reporting requirements of Section 313 of SARA.

SARA 311/312 Hazards

No chemicals in this material are subject to Section 311/312 of SARA.

Massachusetts Right To Know

Not listed by the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Not listed by the Pennsylvania Right to Know Act.

New Jersey Right To Know

Not listed by the New Jersey Right to Know Act.

California Proposition 65

No chemicals in this material are known to cause cancer, birth defects, or any other reproductive harm according to the State of California.

16. OTHER INFORMATION

No data is available, per 29 CFR 1910.1200(d)(b); health hazards are based upon all components making up the mixture.

The above information is believed to be correct, but is not purported to be all-inclusive and should only be used as a guide. Because data, safety standards, and regulatory inputs are subject to change, no warranty, guarantee, or representation with respect to the completeness or continuing accuracy of the information contained in this document is made. The user of this product must decide what safety measures are necessary to safely use this product; the conditions of handling and use, or misuse, are beyond the control of Encap, LLC. The user is also responsible to determine its environmental regulatory compliance obligations under any applicable federal or state laws.

MSDS Preparation History**Original Preparer**

Oct 2019 Encap LLC staff

Updates or Revisions

Update (U) or Revision (R)	Update or Revision Number	Date	Preparer
U	1	11/4/2019	Encap LLC Staff
U	2	1/26/2021	Encap LLC Staff