



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Moorganite All-Purpose Fertilizer**

Formula: Processed chicken manure, processed cow manure, feather meal, bentonite clay, guar gum

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

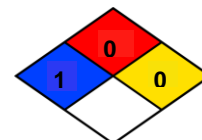
HMIS Classification

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

(Safety glasses, gloves, and dust respirator)

NFPA Rating

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



GHS Labeling

Symbol: Exclamation mark

Signal Word: Warning



Hazard Statements:

H303	May be harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

Precautionary Statements:

P 261	Avoid breathing dust
P 102	Keep out of reach of children

Hazards Not Otherwise Classified:

Unknown

Target Organs

Skin, eyes, and respiratory system.

Potential Immediate Health Effects

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May cause gastrointestinal tract irritation, disorder/damage. Intestinal obstruction may occur if the material hardens.

Moorganite All-Purpose Fertilizer

3. COMPOSITION

Chemical Identity: Dehydrated Chicken Manure	74.25%
Common Name: Dehydrated Chicken Manure	
CAS No.: NA	
Chemical Identity: Dehydrated Cow Manure	16.50%
Common Name: Dehydrated Cow Manure	
CAS No.: NA	
Chemical Identity: Feather meal	6.50%
Common Name: Feather meal	
CAS No.: NA	
Chemical Identity: Bentonite clay	2.00%
Common Name: Bentonite clay	
CAS No.: 1302-78-9	
Chemical Identity: Guar gum	0.75%
Common Name: Guar gum	
CAS No.: 9000-30-0	

4. FIRST AID MEASURES

EYE:

Symptoms: May cause eye irritation.

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: May cause skin irritation.

Wash skin immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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. Seek medical if needed.

INGESTION:

Symptoms: May cause gastrointestinal tract irritation, disorder/damage. Intestinal obstruction may occur if the Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Drink plenty of water. If needed, seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

A fine water spray, fog, CO₂ or dry chemical.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment for Fire-Fighters

No special protective equipment required.

Moorganite All-Purpose Fertilizer

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Remove sources of ignition if this material is stored or handled in a dry state.

Environmental Precautions

Prevent product from entering drains.

Methods and Materials for Containment and Clean-up

Contain spill, scoop up excess, apply suitable absorbent material and dispose of in an appropriate container. Do not flush with water. Sweep spilled substance into containers; avoid generating dust. Reuse if not contaminated.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with eyes. Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed.

Recommended Conditions for Storage

Store in a cool dry place. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Dehydrated chicken manure	No CAS No.	unknown	unknown
Dehydrated dairy manure	No CAS No.	unknown	unknown
Feather meal	No CAS No.	unknown	unknown
Bentonite clay	1302-78-9	unknown	15 mg/m ³
Guar gum	9000-30-0	unknown	unknown

Engineering Controls

Local exhaust ventilation recommended. Running water should be available in case material gets in eyes.

Personal Protective Equipment

Respiratory Protection

If dust becomes airborne, a NIOSH (US) or CEN (EU) approved respirator for dusts is recommended.

Hand Protection

None required. Protective gloves recommended.

Skin and Body Protection

Long sleeves or lab coat and long pants are recommended.

Eye Protection

NIOSH (US) or CEN (EU) approved safety glasses with side shields, goggles, or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown granules
Odor: Earthy
Odor threshold: Unknown
pH: Unknown
Melting Point: N/A
Freezing Point: Unknown
Evaporation Rate: 0
Flammability: Not flammable
Explosion Limits: Unknown
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity: Unknown
Solubility in Water: Low
Partition coefficient: Unknown
Auto-ignition temp.: Unknown
Decomposition temp.: Unknown
Viscosity: N/A
Other: Unknown

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10. STABILITY AND REACTIVITY

- Reactivity:** Non-reactive under recommended storage conditions. May react with strong oxidizing or reducing agents, aluminum (at high temperatures), and diazomethane.
- Chemical Stability:** Stable under recommended storage conditions. Avoid excess sources of ignition, heat, and incompatible materials. Dust suspended in air is readily ignited.
- Conditions to Avoid:** Large amounts of airborne dust.
- Hazardous Decomposition Products:** Thermal decomposition may produce CO, CO₂, oxides of sulfur, oxides of calcium, oxides of nitrogen, and hydrocyanic acid.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes, skin, ingestion and inhalation.

Potential Health Effects

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May cause gastrointestinal tract irritation, disorder/damage. Intestinal obstruction may occur if the material hardens.

Acute Toxicity

LD50 Oral - rat - 6.77 mg/kg (Guar Gum)

LD50 Oral - rat - > 5,000 mg/kg (Bentonite)

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

LC50 - Fish - Rainbow Trout - *Oncorhynchus mykiss* - 218 mg/l - 96 h (guar gum)

LC50 - Fish - Rainbow Trout - *Oncorhynchus mykiss* - 19,000 mg/l - 96 h (bentonite)

Persistence and Degradability

Inherently biodegradable.

Bioaccumulative Potential

Does not bioaccumulate.

Mobility

PBT and vPvB Assessment

Does not bioaccumulate.

Other Adverse Effects

Large amounts released to water systems may harm aquatic plant and animal life.

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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. May be used as a supplement on land and on some agricultural products.

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

All components with CAS numbers are specified on the Canadian Domestic Substance List (DSL).

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

No ingredients are listed by the Massachusetts Right to Know Act.

New Jersey Right To Know

No ingredients are listed by the New Jersey Right to Know Act.

Pennsylvania Right To Know

No ingredients are listed by the Pennsylvania Right to Know Act.

Rhode Island Right To Know

No ingredients are listed by the Rhode Island 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 of the components which make 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

Feb-22 Encap LLC staff

Updates or Revisions

Update (U) or Revision (R)	Update or Revision Number	Date	Preparer
R	1	9/1/2022	Encap LLC Staff