



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: RevitaSoil

Formula: 4 - 1 - 1 (Granulated and Blended Soil Improver)

CAS No.: N/A

Recommended Use: Soil Improver (Amendment and Fertilizer Blend)

Company Identification: Encap, LLC

320 N. Broadway, Suite 340

Green Bay, WI 54303

Phone: (877) 405-5050

2. HAZARDS IDENTIFICATION

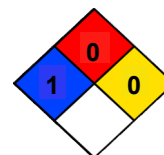
HMIS Classification

Health Hazard:	0	HEALTH	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



Physical Hazards:

Not classified

Health Hazards:

May cause temporary skin (category 2), eye (category 2B), or respiratory irritation

May be harmful if swallowed

GHS Labeling

Symbol: None

Signal Word: No signal word.

Hazard Statements:

H303	May be harmful if swallowed.	Oral toxicity hazard Category 5
H315	Causes skin irritation.	Skin irritation Category 2
H320	Causes eye irritation.	Eye irritation Category 2B
H335	May cause respiratory irritation.	Respiratory irritation Category 3

GHS Hazard Categories

Precautionary Statements:

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

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

Eyes, skin, respiratory system if inhaled, and gastrointestinal system if ingested.

Potential Immediate Health Effects

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation.

Earth Science RevitaSoil SDS

3. COMPOSITION

Chemical Identity:	Earthworm Castings	27.53%
Common Name:	ES EWC	
CAS No.:	No CAS No.	
Impurities:	None	
Chemical Identity:	Fine-Grained Biochar	4.06%
Common Name:	Biochar	
CAS No.:	No CAS No.	
Impurities:	N/A	
Chemical Identity:		3.30%
Common Name:	Sunflower Hull Ash	
CAS No.:	No CAS No.	
Impurities:	N/A	
Chemical Identity:	Bone Meal	1.76%
Common Name:	Bone Meal	
CAS No.:	No CAS No.	
Impurities:	N/A	
Chemical Identity:	Calcium Sulfate Dihydrate	16.52%
Common Name:	Gypsum	
CAS No.:	13397-24-5	
Impurities:	N/A	
Chemical Identity:	Feather Meal	31.66%
Common Name:	Feather Meal	
CAS No.:	No CAS No.	
Impurities:	N/A	
Chemical Identity:	Manesium Lignosulfonate	
Common Name:	Lignosulfonate	0.82%
CAS No.:	8061-54-9	
Impurities:	N/A	
Chemical Identity:	Elemental Sulfur	12.89%
Common Name:	Free Sulfur	
CAS No.:	7704-34-9	
Impurities:	N/A	
Chemical Identity:	Bentonite Clay	1.43%
Common Name:	Bentonite Clay	
CAS No.:	1302-78-9	
Impurities:	N/A	
Chemical Identity:	Biological Spores	0.03%
Common Name:	Microbiology	
CAS No.:	N/A	
Impurities:	N/A	

Earth Science RevitaSoil SDS

4. FIRST AID MEASURES

EYE:

Symptoms: Dust 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. Get medical attention if needed.

SKIN:

Symptoms: None known.

Rinse and then wash skin with water and soap for 1 to 5 minutes. Wash clothing before reuse. Clean shoes before reuse.

INHALATION:

Symptoms: May cause respiratory tract irritation.

Fresh air. Get medical attention if needed.

INGESTION:

Symptoms: May be harmful if swallowed. May cause gastric distress, nausea or diarrhea.

Rinse mouth. Get medical attention if needed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment for Fire-Fighters

No special protective equipment is required, specific to this material.

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

Recommended Conditions for Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	CAS No.	ACGIH TLV	OSHA/PEL
Calcium sulfate dihydrate (gypsum)	10101-41-4	10 mg/m ₃	15 mg/m ₃ (total), 5mg/m ₃ (respirable)
Earthworm Castings	None	unknown	unknown

Engineering Controls

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

Personal Protective Equipment

Respiratory Protection

Avoid breathing dust. A NIOSH (US) or CEN (EU) approved respirator for dusts may be beneficial if dust concentrations exceeds 60 mg/m³.

Hand Protection

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

Skin and Body Protection

None required, but long sleeves are recommended. Used precautions to prevent infection of open wounds.

Eye Protection

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

Earth Science RevitaSoil SDS

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Mixture of black granules with yellow pastilles
Odor: Earthy
Odor threshold: Unknown
pH: 6.5 - 8.0
Melting Point: Unknown
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: Partly Soluble
Partition coefficient: Unknown
Auto-ignition temp.: Unknown
Decomposition temp.: Unknown
Viscosity: N/A
Other: Unknown

10. STABILITY AND REACTIVITY

Reactivity: Non-reactive under recommended storage conditions.
Chemical Stability: Stable under recommended storage conditions.
Conditions to Avoid: Prevent wet conditions or high moisture in the air for prolonged periods.
Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes, ingestion, skin, inhalation

Potential Health Effects

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Acute Toxicity

No data available on the commercial product, but none reported for the basic ingredients.

Reproductive Toxicity

No data available on the commercial product, but none reported for the basic ingredients.

Germ Cell Mutagenicity

No data available on the commercial product, but none reported for the basic ingredients.

Specific target organ toxicity - single exposure

No data available on the commercial product, but none reported for the basic ingredients.

Specific target organ toxicity - repeated exposure

No data available on the commercial product, but none reported for the basic ingredients.

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

Earth Science RevitaSoil SDS

12. ECOLOGICAL INFORMATION

Toxicity

Non-toxic.

Mobility

Water contaminating.

Persistence and Degradability

Inherently biodegradable.

PBT and vPvB Assessment

Does not bioaccumulate.

Bioaccumulative Potential

Does not bioaccumulate.

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. May be used as a supplement on land and on some agricultural products. Do not re-use empty containers.

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.

Earth Science RevitaSoil SDS

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 this product.

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

Jun-25 Encap LLC Staff

Updates or Revisions

(U) or Revision (R)	Update or Revision Number	Date	Preparer