



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Fast Acting Lime**
 Formula: Limestone + Calcium Lignosulfonate + Anionic Polyacrylamide Emulsion + Anionic Polymer
 CAS No.: N/A
 Recommended Use: Fertilizer; Soil Amendment

Company Identification: **Encap, LLC**
 3921 Algoma Road
 Green Bay, WI 54311
 Phone: (877) 405-5050

2. HAZARDS IDENTIFICATION

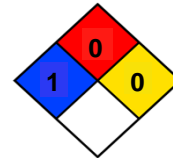
HMIS Classification

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

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

Precautionary Statements: P 261 Avoid breathing dust

Hazards Not Otherwise Classified: Unknown

OSHA Hazards

No known OSHA hazards

Target Organs

Skin, eyes, and respiratory system.

Potential Immediate Health Effects

Inhalation: May cause respiratory tract irritation. Coughing, sneezing, or shortness of breath may occur following exposures in excess of exposure limits.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation, weakness, or headache. Intestinal obstruction may occur if the material hardens. Ingesting large amounts may lead to dizziness, cramps, vomiting, diarrhea, weakness, convulsions, and collapse.

Encap, LLC Fast Acting Lime SDS

3. COMPOSITION

Chemical Identity: CaCO ₃	93.6%
Common Name: Limestone	
CAS No.: 471-34-1	
Chemical Identity: Calcium Lignosulfonate	2.0%
Common Name: Calcium Lignosulfonate	
CAS No.: 5061-52-7	
Chemical Identity: Anionic Polyacrylamide Emulsion	1.0%
Common Name: Anionic Polyacrylamide Emulsion	
CAS No.: N/A	
Chemical Identity: Anionic Polymer	0.5%
Common Name: Anionic Polymer	
CAS No.: N/A	

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. Get medical attention if needed.

SKIN:

Symptoms: May be harmful if absorbed through skin. May cause skin irritation.

Wash skin immediately rinse skin with plenty of water. Cover irritated skin with emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if needed.

INHALATION:

Symptoms: May cause respiratory tract irritation. Coughing, sneezing, or shortness of breath may occur following exposures in excess of exposure limits.

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

INGESTION:

Symptoms: May be harmful if swallowed. May cause gastrointestinal tract irritation, weakness, or headache. Intestinal obstruction may occur if the material hardens. Ingesting large amounts may lead to dizziness, cramps, vomiting, diarrhea, weakness, convulsions, and collapse.

Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. 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

Special Protective Equipment for Fire-Fighters

Self-contained breathing apparatus and full protective clothing.

Note: Aqueous solutions or powders may render surfaces slippery.

Encap, LLC Fast Acting Lime SDS

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; avoid generating dust. Reuse if not contaminated.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Eating, drinking, and smoking should be prohibited in areas where this material is handled or stored. Do not ingest and avoid contact with skin and eyes. Avoid breathing in dust. Wear appropriate respirator when ventilation is inadequate.

Recommended Conditions for Storage

Store in a cool, dry, well ventilated location. Do not store near acids or other incompatible materials. Keep away from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	CAS No.	ACGIH TLV	OSHA/PEL
Calcium Carbonate	1317-65-3	10 mg/m ³	15 mg/m ³
Calcium Lignosulfonate	5061-52-7	none	none
Anionic Polyacrylamide Emulsion	No CAS No.	none	none
Anionic Polymer	No CAS No.	none	none

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

A NIOSH (US) or CEN (EU) approved particulate respirator is recommended where total dust concentration exceeds 10 mg/m³.

Hand Protection

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

Skin and Body Protection

Long sleeves or lab coat are recommended.

Eye Protection

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

Encap, LLC Fast Acting Lime SDS

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown granule
Odor: Canola Oil
Odor threshold: Unknown
pH: Neutral
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: 2.7 - 2.9
Solubility in Water: Partly soluble
Partition coefficient: Unknown
Auto-ignition temp.: Unknown
Decomposition temp.: Unknown
Viscosity: N/A
Other: Unknown

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions. Avoid excess heat and incompatible materials.

Conditions to Avoid: Oxidizing agents and acids

Hazardous Decomposition Products: Thermal decomposition may produce: calcium oxide, nitrogen oxides, carbon oxides, sulfur oxides, and hydrogen cyanide.

Encap, LLC Fast Acting Lime SDS

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes, skin, ingestion, and inhalation.

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Coughing, sneezing, or shortness of breath may occur following exposures in excess of exposure limits.

Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation, weakness, or headache. Intestinal obstruction may occur if the material hardens. Ingesting large amounts may lead to dizziness, cramps, vomiting, diarrhea, weakness, convulsions, and collapse.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Acute Toxicity

LD50 Oral - rat - 6,450 mg/kg (CaCO₃)

LD50 Oral - rat - 0.5 mg/kg (anionic polyacrylamide emulsion)

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

No data available.

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 - fathead minnows - 317 mg/L (anionic polyacrylamide emulsion)

LC50/72-hr - Algae - 100 mg/L (anionic polyacrylamide emulsion)

LC50 - Daphnia - 1,070 mg/L (anionic polyacrylamide emulsion)

Mobility

Water contaminating.

Persistence and Degradability

No data available.

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.

Encap, LLC Fast Acting Lime SDS

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

None of the chemicals in the product are 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

Calcium carbonate (limestone) is listed by the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Calcium carbonate (limestone) is listed by the Pennsylvania Right to Know Act.

New Jersey Right To Know

Calcium carbonate is listed by the New Jersey Right to Know Act.

California Proposition 65

This product contains a chemical known to the State of California to cause cancer: Residual Acrylamide.

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.