



## Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Fast Acting Gypsum**  
Formula: Calcium Sulfate Dihydrate + Guar Gum + Corn Starch + Anionic Polyacrylamide  
CAS No.: N/A  
Recommended Use: Fertilizer; Soil Amendment

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

### 2. HAZARDS IDENTIFICATION

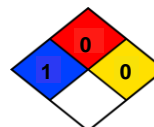
#### HMIS Classification

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

#### GHS Hazard Categories

Skin irritation	Category 2
Eye irritation	Category 2B

#### 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 cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation. Intestinal obstruction may occur if the material hardens.

## Earth Science Fast Acting Gypsum SDS

### 3. COMPOSITION

Chemical Identity: Calcium sulfate dihydrate	96.5%
Common Name: Gypsum	
CAS No.: 10101-41-4	
Chemical Identity: Guar Gum	1.3%
Common Name: Guar Gum	
CAS No.: 9000-30-0	
Chemical Identity: Corn Starch	1.25%
Common Name: Corn Starch	
CAS No.: 9005-25-8	
Chemical Identity: Anionic Polyacrylamide	1.0%
Common Name: Anionic Polyacrylamide	
CAS No.: 9003-05-8	

### 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: 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. Seek medical attention if needed.

**INGESTION:**

Symptoms: May be harmful if swallowed. May cause gastrointestinal tract irritation. Intestinal obstruction may occur if the material hardens.

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. Seek 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.

### 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.

# Earth Science Fast Acting Gypsum SDS

## 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 aluminum (at high temperatures), diazomethane, oxidizing agents or other incompatible materials. Keep away from moisture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

	CAS No.	ACGIH TLV	OSHA/PEL
Calcium sulfate dihydrate (gypsum)	10101-41-4	10 mg/m <sub>3</sub>	15 mg/m <sub>3</sub> (total)
Anionic Polyacrylamide	9003-05-8	none	none
Corn Starch	9005-25-8	10 mg/m <sub>3</sub>	none
Guar Gum	9000-30-0	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/m<sup>3</sup>.

#### 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown granules  
Odor: Mineral  
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: 2.6 - 2.75  
Solubility in Water: 0-.2% at 40°C  
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, aluminum (at high temperatures), and diazomethane

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

# Earth Science Fast Acting Gypsum 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. Intestinal obstruction may occur if the material hardens.

**Skin:** May cause skin irritation.

**Eyes:** May cause eye irritation.

### 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

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

No data available.

### Mobility

Water contaminating.

### Persistence and Degradability

Inherently biodegradable.

### 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.

## 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.

## Earth Science Fast Acting Gypsum SDS

### 15. REGULATORY INFORMATION

**OSHA Hazards**

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

**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**

Gypsum is listed by the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

Gypsum is listed by the Pennsylvania Right to Know Act.

**New Jersey Right To Know**

Gypsum is listed by the New Jersey Right to Know Act.

**Rhode Island Right To Know**

Gypsum is listed by the Rhode Island 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.

**MSDS Preparation History****Original Preparer**

July 2019 Encap LLC staff

**Updates or Revisions**

Update (U) or Revision (R)	Update or Revision Number	Date	Preparer
R	1	10/25/2019	Encap LLC staff