



EARTH SCIENCE™
GROWTH ESSENTIALS

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Udder Magic Liquid Fertilizer**
Formula: Fermented ammoniated cheesemaking wastes
CAS No.: N/A
Recommended Use: Fertilizer

Company Identification: **Encap, LLC**
340 N Broadway, Suite 115
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:	A		

(Safety glasses)

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) or eye (category 2B) irritation
May be harmful if swallowed

GHS Labeling

Symbol: Exclamation mark
Signal Word: Warning



Hazard Statements:

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

GHS Hazard Categories

Skin irritation Category 2
Eye irritation Category 2B

Precautionary Statements:

NA

Hazards Not Otherwise Classified:

Unknown

OSHA Hazards

No known OSHA hazards

Target Organs

Skin, eyes, and digestive system.

Potential Immediate Health Effects

Inhalation: Generally not problematic. If breathing difficulty occurs, move to area with fresh air.
Skin: Prolonged exposure may cause irritation. Acute exposure will not cause irritation.
Eyes: Direct eye contact may cause eye irritation.
Ingestion: May cause stomach irritation if large amounts are swallowed.

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3. COMPOSITION

Chemical Identity: Ammonium lactate salt 34 to 40%
Common Name: Ammonium lactate salt
CAS No.: 515-98-0

Chemical Identity: Water 60 to 66%
Common Name: Water
CAS No.: 7732-18-5

4. FIRST AID MEASURES

EYE:

Symptoms: May cause eye irritation.

Irrigate immediately. If this product contacts the eyes, rinse with water for at least 5 minutes, occasionally lifting the lower and upper lids. Seek medical attention if needed.

SKIN:

Symptoms: Prolonged exposure may cause skin irritation.

Wash skin and rinse with plenty of water. Seek medical attention if needed.

INHALATION:

Symptoms: Generally not problematic. Move to fresh air if breathing difficulty occurs. Seek medical attention if needed.

INGESTION:

Symptoms: May be harmful if swallowed. May cause gastrointestinal irritation.

Rinse mouth and drink copious amounts of water. First aid usually not required. If symptoms develop, seek medical attention.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation.

Environmental Precautions

Prevent product from entering drains.

Methods and Materials for Containment and Clean-up

Dike and contain spills with inert material. Use absorbent material to absorb spill, and place into suitable container for disposal.

Wash site after removing absorbent material.

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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. Avoid storage at temperatures above 110 F (43 C). Do not store near oxidizing agents or other incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Contains no substances with exposure limits

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

Generally not necessary.

If irritation or nuisance occurs from exposure, a NIOSH (US) or CEN (EU) approved particulate respirator is recommended.

Hand Protection

Not required for normal use.

If prolonged or repeated exposure causes skin irritation, 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: Brownish red liquid
Odor: Earthy
Odor threshold: Unknown
pH: 6.0 to 7.5
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: 1.25 kg/L
Solubility in Water: Completely 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. Acts as a preservative. Avoid contact with alkalizing agents.

Conditions to Avoid: Compounds and agents that can cause pH increase to 8 or above, which can cause release of ammonia gas

Hazardous Decomposition Products: Thermal decomposition may produce: carbon oxides, nitrogen oxides

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11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes, skin, ingestion, and inhalation.

Potential Health Effects

Inhalation: Generally not problematic. If symptoms occur, move to ventilated area.

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

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

Non toxic

Mobility

Water contaminating (nitrification potential).

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 liquid 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.

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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

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

Pennsylvania Right To Know

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

New Jersey Right To Know

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

Rhode Island Right To Know

No ingredients are listed by the Rhode Island Right to Know Act.

California Proposition 65

This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

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**

May 2022 Encap LLC staff