



5738 S. 116th West Ave, Sand Springs, OK 74063, 918 246 9733

Safety Data Sheet

Section 1: Product Identification

Product Name: L-GYP
Product Use: Sodic soil amendment
Manufacturer Address: Advanced Microbial Services Inc
5738 S. 116th West Ave
Sand Springs, OK 74063
Phone/Email: 918-246-9733/advmicrobe@msn.com

Section 2: Hazards Identification

Hazard Classification: Health None
Physical None
Signal Word: Not applicable
Hazard Statement(s): Not applicable
Symbol(s): Not applicable
Precautionary Statement(s): Not applicable
Unclassified Hazard(s): None
Unknown Toxicity Ingredient: None

Section 3: Composition/Information on Ingredients

<u>Chemical</u>	<u>CAS No</u>	<u>Percent</u>
Thiosulfuric acid, calcium salt	10124-41-1	30
Water	7732-18-5	70

Section 4: First Aid Measures

Symptoms/Effects:

Acute: Eye contact may cause eye irritation. Repeated or prolonged skin contact may cause skin irritation. Ingestion may irritate the gastrointestinal tract.

Chronic: No known chronic effects.

Eyes: Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to ensure thorough flushing of the entire area of the eye and lids. Obtain medical attention if irritation occurs.

Skin: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Continue rinsing. Obtain medical attention if irritation occurs.

Ingestion: If victim is conscious, give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Obtain medical attention.

Inhalation: Remove victim from contaminated atmosphere. If breathing is labored, administer Oxygen. If breathing has ceased, clear airway and start CPR. Obtain medical attention.

Section 5: Fire Fighting Measures

Flammable Properties:

NFPA: Health - 0 Flammability - 0 Reactivity - 0

Extinguishing Media:

Suitable Extinguishing Media: Not flammable, use media suitable for combustibles involved in fire.

Unsuitable Extinguishing Media: None known

Protection of Firefighters:

Specific Hazards Arising from the Chemical:

Physical Hazards: Heating (flames) of closed or sealed containers may cause violent rupture of container due to thermal expansion of compressed gases.

Chemical Hazards: Heating causes release of oxides of sulfur. Sulfur dioxide is highly irritating to the eyes, respiratory tract and moist skin.

Protective Equipment and Precautions for Firefighters: Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting turnout gear. Keep container/storage vessels in the fire area cooled with water spray.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment specified in Section 8. Isolate the hazard area and deny entry to unnecessary, untrained and unprotected personnel.

Environmental Precautions: Keep out of "waters of the United States" because of potential aquatic toxicity. This product is a non-hazardous liquid fertilizer solution designed to supply Calcium and Sulfur to crops.

Methods of Containment:

Small Release: Confine and absorb small releases with sand, earth or other inert absorbents.

Large Release: Shut off release if safe to do so. Dike spill area with earth, sand or other inert absorbents to prevent runoff into surface waterways (potential aquatic toxicity), storm drains and sewers.

Methods of Cleanup:

Small Release: Shovel up the absorbed material and place in drums for disposal as a chemical waste or recycle as a fertilizer as the original product was intended.

Large Release: Recover as much of spilled product as possible using portable pump and hoses. Use material

as originally intended or dispose of as a chemical waste. Treat remaining product as small release (above).

Section 7: Handling and Storage

Handling: Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated contact with the skin.

Storage: Store in well-ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store totes and smaller containers out of direct sunlight at moderate temperatures.

Section 8: Exposure Controls/Personal Protection

General:	Protective clothing should be selected according to the conditions likely to be encountered in the workplace. Ensure good ventilation. No exposure limits have been established.
Engineering Controls:	There are no specific engineering controls for this product.
Personal Protective Equipment:	
Respiratory:	If liquid is sprayed, use an approved droplet mask.
Eyes and Face:	Chemical safety goggles or safety glasses with side shields.
Hands/Skin:	Impermeable gloves of neoprene, vinyl, rubber or nitrile may be used to avoid contact.
Other Clothing:	Wear suitable protective clothing such as long-sleeve shirt, pants and shoes with socks.
Hygienic Practices:	There are no known hazards associated with this product when used as recommended, however common good industrial hygiene practices should be followed, such as washing thoroughly after handling and before eating or drinking.

Section 9: Physical and Chemical Properties

Appearance:	Light blue
Form:	Liquid
Odor:	Fresh concrete to no odor
Melting/Freezing Point:	Salt-out temperature 32 F
Boiling Point:	212 F with decomposition
Solubility in Water:	100%

Section 10: Stability and Reactivity

Reactivity: Avoid interaction with heat, flames, oxidizers or acids.

Chemical Reactivity: This is a stable product under normal (ambient) temperature and pressure.

Possibility of Hazardous Reactions: Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness.

Conditions to Avoid: High heat or fire conditions.

Incompatible Materials: Strong oxidizers. Acids will cause the release of Sulfur dioxide, a severe respiratory hazard.

Hazardous Decomposition Products: Calcium oxide and Oxides of Sulfur. Sulfur dioxide is a severe respiratory irritant.

Section 11: Toxicological Information

Oral:	Rat LD <i>50</i> : >2,000 mg/Kg (OECD 425)
Dermal:	No data available
Inhalation:	No data available
Eye:	No data available
Chronic/Carcinogenicity:	Not listed in NTP, IARC or OSHA
Teratology:	No data available
Reproduction:	No data available
Mutagenicity:	No data available

Section 12: Ecological Information

Ecotoxicity:	No data available
Persistence & Degradability:	No data available
Bioaccumulative Potential:	This product is not bioaccumulative
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

Section 13: Disposal Considerations

Consult federal, state and local regulations for disposal requirements.

Section 14: Transport Information

Basic Shipping Description:

Proper Shipping Name:	L-GYP (Not regulated by DOT)
Hazard Classes:	Not applicable
Identification Number:	Not applicable
Packing Group:	Not applicable

Hazardous Substance: No

Marine Pollutant: No

Additional Information:

Other DOT Requirements:

Reportable Quantity: Not applicable

Placard(s): Not applicable

Label(s): Not applicable

USCG Classification: Class 43, Misc. water solutions

Emergency Response Guide: Not applicable

Special Precautions: None

Section 15: Regulatory Information

US Federal Regulations

OSHA: This product is not considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200).

TSCA: Product is contained in USEPA Toxic Substance Control Act Inventory.

CERCLA: Reportable Quantity - No

SARA Title III:

Extremely Hazardous Substance (EHS): No

Section 312 (Tier II) Ratings:	Immediate (acute)	No
	Fire	No
	Sudden release	No
	Reactivity	No
	Delayed (chronic)	No

Section 313 (FORM R): Not applicable

RCRA: Not applicable

CAA Hazardous Air Pollutants: Not applicable