

SAFETY DATA SHEET



SECTION 1: PRODUCT AND MANUFACTURER INFORMATION

PRODUCT NAME:	GENERAL USE:	SUPPLIER:	TELEPHONE NO.:
Mammoth P	Mammoth P is specifically designed to increase phosphorus availability during the bloom phase, and should be used as a supplement to your regular fertilization program. Application during clone and vegetative phase will boost effectiveness. Mammoth P has a near-neutral pH formulation and runs clean in any system.	Mammoth Ag, Inc. PO Box 907 Fort Collins, CO 80522	(970) 567-9301

SECTION 2: HAZARD IDENTIFICATION

SIGNAL WORD:	HAZARDOUS STATEMENT:
WARNING	WARNING: Mild eye irritant. Ingestion may lead to stomach or intestinal upset. Eye Contact: Mild Eye Irritant Ingestion: Non-toxic, but may cause stomach or intestinal upset if swallowed.
SYMBOL(S):	Skin Contact: No adverse effects expected under typical use conditions. Use of gloves is recommended. Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using <i>Mammoth P</i> over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary.
None	Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.
PRECAUTION STATEMENT:	Exposure limits: not available Medical Conditions: No medical conditions are known to be aggravated by exposure to <i>Mammoth P</i> .
None	

SECTION 3: MIXTURE COMPOSITION/INFORMATION ON INGREDIENTS

Substance / mixture:	Synonyms:	CAS No.
Ingredients: Bacterial culture (1%), pelletized alfalfa (2%), water (97%)	Microbial Biostimulant	Not available

SECTION 4: FIRST-AID MEASURES

INHALATION:
Non-toxic. Exposure to concentrate may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.
INGESTION:
Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
SKIN CONTACT:
Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
EYE CONTACT:
Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.

SECTION 5: FIRE-FIGHTING MEASURES

Mammoth P is stable, not flammable, and will not burn. No special procedures required.			
EXTINGUISHING MEDIA:	FLASH POINT/AUTO-IGNITION:	FLAMMABILITY LIMITS:	SPECIAL FIRE FIGHTING EQUIPMENT/PROCEDURES:
Not flammable/non-explosive.	Not flammable	Not flammable	None required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPIILLS AND LEAKS:
Contain the spill to prevent discharges to surface streams or storm sewers.
METHODS FOR CLEAN-UP:
Vacuum or use wet clean-up techniques and place in properly labeled and closed container. Dispose of collected material according to federal, state/provincial and local environmental regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING:
Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.
STORAGE:
Store out of direct sunlight and away from hot or cold extremes. Keep out of reach of children. Keep containers sealed until ready for use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:		
General mechanical ventilation can be expected to effectively remove and prevent build-up of any dust generated from handling this product in a closed environment.		
RESPIRATORY PROTECTION:	Skin:	Eyes:
No respiratory protection required under normal conditions of use.	Avoid skin contact by wearing gloves.	Avoid contact with eyes.
OTHER PRECAUTIONS:		
Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	ODOR	Earthy odor	EVAPORATION RATE	N/A
COLOR	Dark brown/orange	ODOR THRESHOLD	N/A	FLASH POINT	N/A
MELTING POINT	N/A	pH	5.6 ± 0.2	VAPOR PRESSURE	N/A
FREEZING POINT	Approx. -2°C (30°F)	BOILING POINT	100.6°C(212°F)	VAPOR DENSITY	N/A
WATER SOLUBILITY	100%	VISCOCITY	N/A	PARTITION COEFFICIENT	N/A
AUTO-IGNITION TEMPERATURE	N/A	FLAMABILITY	Not flammable	DENSITY	1 oz/oz (1 mL/g)
DECOMPOSITION TEMPERATURE	N/A	UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Not flammable		

SECTION 10: STABILITY AND REACTIVITY**CHEMICAL STABILITY:**

This material is chemically stable under normal storage and handling conditions.

HARARDOUS POLYMERIZATION:

Not known to occur.

HAZARDOUS DECOMPOSITION:

When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, or other toxic compounds depending on the chemical composition and combustion conditions.

SECTION 11: TOXICOLOGICAL INFORMATION**CHRONIC TOXICITY:**

None known

MUTAGENIC EFFECTS:

None known

TERATOGENIC EFFECTS:

None known

DEVELOPMENTAL TOXICITY:

None known

CARCINOGENIC EFFECTS:

None known

ACUTE EFFECTS ON HUMANS:

May cause skin, eye, and respiratory irritation.

EXISTING MEDICAL CONDITIONS AGGRAVATED:

Non known

SENSITIZATION:

Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.

SECTION 12: ECOLOGICAL INFORMATION**ECOTOXICITY:**

No data available, however the material is not expected to have any deleterious toxic effect.

ENVIRONMENTAL FATE:

No data available regarding the environmental fate or biodegradation.

SECTION 13: DISPOSAL CONSIDERATIONS**EPA WASTE NUMBER:**

Non-hazardous waste

TREATMENT:

Dispose of according to all federal, state/provincial and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

This product is non-hazardous for storage and transport according to the U.S. Department of Transportation.

UN NUMBER:

Not required

DANGEROUS GOODS CLASS:

Non-hazardous

This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations. Mammoth P requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

SECTION 15: REGULATORY INFORMATION**US FEDERAL REGULATIONS:**

Product Information: This product is considered non-hazardous.

SECTION 16: OTHER INFORMATION

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REVISED:

SUPERCEDES: All previous versions

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