

Material Safety Data Sheet: **Mammoth P®**

Version No. 1

Date of Preparation: May 2016

ANSI-Z400.1-2004 Format

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mammoth P

Effective Date: 5 May 2016

Manufacturer's Product Code Numbers: **Please refer to page 4*

Manufacturer information: Growcentia, Inc.
500 E Vine Drive
Fort Collins, CO 80524
970-818-3321 (ph)

GENERAL USE: Mammoth P is specifically designed to increase phosphorous 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.

Section 2: HAZARDS IDENTIFICATION

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.

Skin Contact: No adverse effects expected under typical use conditions. Use of gloves recommended.

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using *MAMMOTH P* over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary.

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

Exposure limits: not available

Medical Conditions: No medical conditions are known to be aggravated by exposure to *MAMMOTH P*.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Bacterial culture (1%), pelletized alfalfa (2%), water (97%)

CAS Number: Not available

Synonyms: Microbial biostimulant

Section 4: FIRST-AID MEASURES

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.

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.

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.

Section 5: FIRE-FIGHTING MEASURES

MAMMOTH P is stable, not flammable, and will not burn. No special procedures required.

Flash Point/Auto-Ignition: Not flammable.

Extinguishing Media: Not flammable/non-explosive.

Flammability Limits: Not flammable.

Special Fire Fighting Equipment/Procedures: None required.

Section 6: ACCIDENTAL RELEASE MEASURES

Method for cleaning 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.

Spills and leaks: Contain the spill to prevent discharges to surface streams or storm sewers.

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.

Personal Protection:

Eyes: Avoid contact with eyes.

Hands: Avoid skin contact by using gloves.

Respiratory: No respiratory protection required under normal conditions of use.

Other: Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Mammoth P is a dark brown/orange liquid.

Odor: earthy odor

Odor threshold: NA

pH: 5.6 ± 0.2

Melting point: NA

Freezing Point: Approx -2°C (30°F)

Boiling Point: 100.6°C (212°F)

Flash point: NA

Evaporation rate: NA

Flammability: Not flammable

Upper/lower flammability/explosive limits: Not flammable

Vapor Pressure: NA

Vapor Density: NA

Density: 1 oz/oz (1ml/g)

Water Solubility: 100%

Partition coefficient: NA

Auto-ignition temperature: NA

Decomposition temperature: NA

Viscosity: NA

Section 10: STABILITY AND REACTIVITY

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

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.

Hazardous Polymerization: Not known to occur.

Section 11: TOXOLOGICAL 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.

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

Existing Medical Conditions Aggravated: None known

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 CONSIDERATION

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 transport according to the U.S. Department of Transportation Services

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 not considered hazardous.

Section 16: OTHER INFORMATION

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