

Material Safety Data Sheet: **Mammoth P**

Version No. 1

**Date of Preparation:** June 2019

*ANSI-Z400.1-2004 Format*

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Mammoth P

**Effective Date:** 1 June 2019

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

**Manufacturer information:** Growcentia, Inc.  
500 E Vine Dr.  
Fort Collins, CO 80524-4326  
970-818-3321 (ph)

**GENERAL USE:** 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.

## 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%), 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:** Solution 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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