

## SAFETY DATA SHEET

# bioAPT<sup>®</sup>

### Section I. Identification and Company Information

**SDS Name:** BioAPT (BioAPT Org, Standard Granular, Powdered #2 Fines, Minus 30 Fines)

**Synonyms:** Peat, organic peat, reed-sedge peat

**Recommended use:** Microbial Carrier

**Restrictions on use:** None

**Preparer's/Manufacturer's Name:** American Peat Technology, LLC  
36203 350<sup>th</sup> Ave.  
Aitkin, MN 56431

**Emergency Number:** 218-927-1888

### Section II. Hazards Identification

No known GHS hazards.

### Section III. Composition and Information on Ingredients

CAS #	Chemical name	Percent
Not available	Reed -edge peat	97 – 99
471-34-1	Calcium carbonate (ag lime)	1 – 3

### Section IV. First Aid Measures

**Eyes:** Dust may cause mechanical irritation. Flush eyes with water for at least 15 minutes.

**Inhalation:** Dust may cause irritation of the upper respiratory tract. Move to fresh air. Seek medical attention if exposure results in difficulty breathing.

**Skin:** Not absorbed through skin.

**Ingestion:** Not available.

### Section V. Fire Fighting Measures

**General information:** Will burn if involved in a fire.

**Extinguishing media:** Any available. **CAUTION:** Burning may continue inside bags or if material is piled. After fire is extinguished, spread material to assure that the material is not smoldering or starting to reheat.

**Combustion products:** Thermal decomposition products are those commonly observed with natural products such as wood or vegetable matter.

**Special protective firefighting equipment and precautions:** No special equipment or precautions necessary.

**Dust explosion hazard:** Per ASTM E1126, BioAPT – Powdered #2 Fines is in St 1 class with a  $K_{max}$  of 78 m·bar/s.

### Section VI. Accidental Release Measures

**Precautions and equipment:** No special equipment or precautions. Avoid generating dust.

**Environmental precautions:** None

**Methods for containment:** Vacuum or sweep up material and place in a suitable container.

### Section VII. Handling and Storage

**Handling:** Minimize dust generation. Use a NIOSH-approved N95 particulate mask and/or eye protection if conditions are dusty.

**Storage:** Store in a dry place away from sources of ignition. Keep dry. If product gets wet, molding can occur. Periodically check bags for signs of internal heating.

### Section VIII. Exposure Control and Personal Protection

**Exposure limits:** OSHA PEL: 15 mg/m<sup>3</sup> (total, inert dust)

**Engineering controls:** Transfer product in a well-ventilated area to minimize dust accumulation.

#### Personal protective equipment

**Eyes:** Wear appropriate eyewear to protect against dust when transferring dry product.

**Respirators:** Use a NIOSH-approved N95 particulate mask to protect against dust when transferring dry product.

**Section IX. Physical and chemical properties**

**Appearance:** Solid, brown, granular, or powdered

**pH:** 6.0—7.2

**Boiling point:** Not available

**Evaporation rate:** Negligible

**Vapor pressure:** Not available

**Vapor density:** Not available

**Specific gravity:** 0.7

**Autoignition temperature:** 260° C (500° F)

**Decomposition temperature:** Not available

**Flammability:** Not available

**Flammable limit (upper, lower):** Not available

**Explosivity:** (per ASTM E1226)  $P_{\max}$ : 8.1 bar;  $(dP/dt)_{\max}$ : 286 bar/s;  $K_{\max}$ : 78 m·bar/s

**Odor:** Smoky, humic (no threshold)

**Freezing/melting point:** Not available

**Flash point:** Not available

**Solubility:** Insoluble in water

**Section X. Stability and Reactivity**

**Reactivity:** Not reactive

**Chemical stability:** Stable under normal temperatures and pressures.

**Conditions to avoid:** Dust generation, excess heat.

**Incompatibilities with other materials:** Has not been reported

**Hazardous decomposition products:** Thermal decomposition releases carbon monoxide, carbon dioxide, and hydrocarbons

**Section XI. Toxicological information**

**Routes of exposure:** Inhalation, eyes

**Symptoms of exposure:** Mechanical irritation of upper respiratory tract, eyes

**RTECS #:** This material is not listed in the RTECS index.

**Effects of acute exposure:** Dust may cause respiratory distress.

**Effects of chronic exposure:** Not available

**LD50/LC50:** Not available

**Carcinogenicity:** Not listed by OSHA, IARC, NTP or ACGIH

**Reproductive toxicity:** Not available

**Teratogenicity:** Not available

**Mutagenicity:** Not available

**Section XII. Ecological Information**

BioAPT is derived from natural peat and has no known ecotoxicity or bioaccumulation potential.

**Section XIII. Disposal Considerations**

Chemical waste generators must determine if the used material is classified as a hazardous waste under EPA guidelines 40 CFR Parts 261.3. Generators must also consult state and local regulations.

**Section XIV. Transport Information**

**UN Number:** None  
**US DOT:** Not regulated

**Special precautions:** None  
**Canada TDG:** Not regulated

**Section XV. Regulatory Information**

**UNITED STATES**

**TSCA:** This material is not listed on the TSCA inventory.

**SARA Sections 302 and 304:** This material is not listed as an EHS.

**EPCRA:** This material is not reportable under Section 313.

**CERCLA:** This material does not have a reportable quantity.

**RCRA:** This material is not listed on the RCRA lists.

**CAA:** This material does not contain any hazardous air pollutants.

**CWA:** This material is not listed as a hazardous substance, priority pollutant or toxic pollutant by the Clean Water Act.

**CANADA**

**WHMIS:** This product is not classified by the Controlled Products Regulations.

**DSL/NDSL:** This material is not listed on the DSL or NDSL. However, there is no control measure imposed to this substance.

**Section XVI. Additional Information**

**SDS creation date:** 10.29.14; **Revised:** 01.15.15; 03.06.15; 12.02.15; 02.17.17; 08.29.17; 01.09.20; 10.08.20