

**Section I. Identification and Company Information****SDS Name:** APT<sup>®</sup>sorb**Synonyms:** Peat, organic peat, reed-sedge peat**Recommended use:** Water filtration media**Restrictions on use:** none**Preparer's/Manufacturer's Name:** American Peat Technology, LLC36203 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 sedge peat	95 - 100
471-34-1	Calcium carbonate (ag lime)	0 - 5

**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 E1226, dust from APT<sup>®</sup>sorb is in the St 1 class with a  $K_{max}$  of 78 m<sup>2</sup>·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 fine grind

**pH:** 4.9 – 7.0

**Boiling point:** Not available

**Evaporation rate:** Negligible

**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

**Vapor pressure:** Not available

**Vapor density:** Not available

**Specific gravity:** 0.7

**Solubility:** insoluble in water

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

**Decomposition temperature:** Not available

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

**Freezing/melting point:** Not available

**Flash point:** Not available

## 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, 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

APTsorb 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 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