Safety Data Sheet

APTsorb

Section I. Identification and Company Information

SDS Name: APTsorb
Synonyms: Peat, organic peat, reed-sedge peat
Recommended use: Water filtration media
Restrictions on use: none
Preparer's/Manufacturer's Name: American Peat Technology, LLC
36203 350th 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 APTsorb is in the 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^3 (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
Odor: smoky, humic (no threshold)
pH: 4.9 – 7.0
Freezing/melting point: Not available
Boiling point: Not available
Flash 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

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