

## Material Safety Data Sheet (MSDS)

### Activated Bamboo Charcoal Powder

#### 1. Product Identification

Product Name: Activated Bamboo Charcoal Powder

CAS Number: 8021-96-6

EC Number: 931-328-0

Synonyms: Bamboo Activated Carbon, Bamboo Charcoal Powder

Recommended Uses: Cosmetic formulations, personal care products, purification, filtration

#### 2. Hazards Identification

Classification: Not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Hazards:

- May cause mild eye and skin irritation.
- Dust may cause respiratory irritation.
- Fine powder may form combustible dust-air mixtures.
- Wet activated carbon may deplete oxygen in enclosed spaces.

#### 3. Composition / Information on Ingredients

Ingredient: Activated Bamboo Charcoal Powder

CAS Number: 8021-96-6

Concentration: 100%

#### 4. First Aid Measures

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Inhalation: Move to fresh air. Seek medical attention if symptoms occur.

Ingestion: Do not induce vomiting. Rinse mouth and seek medical advice immediately.

#### 5. Fire Fighting Measures

Suitable Extinguishing Media: Foam, dry powder, carbon dioxide (CO<sub>2</sub>).

Unsuitable Extinguishing Media: Avoid water spray or jets.

Specific Hazards: Burns slowly without flame; smoldering may produce carbon monoxide (CO).

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

#### 6. Accidental Release Measures

Avoid creating dust. Use appropriate PPE including gloves, goggles, and dust mask. Sweep or vacuum using equipment with HEPA filters. Dispose of in accordance with local regulations.

## 7. Handling and Storage

Handling: Avoid inhalation of dust and contact with skin and eyes. Ensure good ventilation.

Keep away from ignition sources.

Storage: Store in a cool, dry, well-ventilated area in tightly closed containers. Keep away from moisture and strong oxidizers.

## 8. Exposure Controls / Personal Protection

Engineering Controls: Use local exhaust ventilation to minimize dust levels.

Personal Protection:

- Respiratory Protection: Dust mask or respirator (NIOSH-approved) if dust levels are high.
- Eye Protection: Safety glasses with side shields or chemical goggles.
- Skin Protection: Protective gloves and clothing.

## 9. Physical and Chemical Properties

Appearance: Fine black powder

Odor: Odorless

Solubility: Insoluble in water

Flash Point: Not applicable

Bulk Density: Approx. 0.4–0.6 g/cm<sup>3</sup>

## 10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames, and moisture.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

We have described our product concerning possible safety requirements by the abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties

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