

MATERIAL SAFETY DATA SHEET

POWDER ACTIVATED CARBON

Issue Date: 02.07.2024

SECTION 1: IDENTIFICATION

Product form	Fine black powder
Trade Name	Powder activated carbon
CAS NO	7440-44-0
Product group	Trade product
Supplier	Indlela Consultants (Pty) Ltd 301 66 Sapphire street Witfontein 301/893 Pretoria 0182
Emergency Contact	Robertson Phiri 0823072544 robertsonp@indlelasa.com website: www.indlelasa.com

Section 2: Hazard Identification

Classification: Not classified as hazardous under GHS (Globally Harmonized System)

Label Elements: Not applicable

Hazards:

Physical Hazards: Can form explosive dust-air mixtures

Health Hazards: May cause respiratory irritation if inhaled

Section 3: Composition/Information on Ingredients

Substance: Activated Carbon

CAS Number: 7440-44-0

Concentration: 100%

Section 4: First-Aid Measures

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

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

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide

Special Hazards: Dust can form explosive mixtures with air

Protective Equipment for Firefighters: Full protective clothing and self-contained breathing apparatus

Section 6: Accidental Release Measures

Personal Precautions: Avoid dust formation. Use personal protective equipment.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid dust formation. Provide adequate ventilation. Use personal protective equipment as required.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

- **Exposure Limits:** No specific exposure limits.

Engineering Controls: Provide adequate ventilation to minimize dust concentrations.

Personal Protective Equipment:

Respiratory Protection: Dust mask or respirator

Hand Protection: Protective gloves

Eye Protection: Safety goggles

Skin and Body Protection: Protective clothing

Section 9: Physical and Chemical Properties

Appearance: Black powder

Odor: Odorless

Odor Threshold: Not applicable

pH: Neutral

Melting Point/Freezing Point: Not applicable

Initial Boiling Point and Boiling Range: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable
Flammability (solid, gas): Non-flammable but combustible as dust
Upper/Lower Flammability or Explosive Limits: Not available
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Relative Density: Not applicable
Solubility: Insoluble in water
Partition Coefficient (n-octanol/water): Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not applicable

Section 10: Stability and Reactivity

Reactivity: Stable under recommended storage conditions
Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: Dust can form explosive mixtures with air
Conditions to Avoid: Heat, flames, sparks, and static electricity
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Carbon oxides

Section 11: Toxicological Information

Acute Toxicity: Not classified
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
STOT-Single Exposure: May cause respiratory irritation
STOT-Repeated Exposure: Not classified
Aspiration Hazard: Not classified

Section 12: Ecological Information

Toxicity: Not expected to be harmful to aquatic life
Persistence and Degradability: Not applicable
Bioaccumulative Potential: Not applicable
Mobility in Soil: Not applicable
Other Adverse Effects: Not applicable



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Section 13: Disposal Considerations

Waste Treatment Methods: Dispose of in accordance with local, regional, and national regulations.

Section 14: Transport Information

UN Number: Not regulated

UN Proper Shipping Name: Not applicable

Transport Hazard Class(es): Not applicable

Packing Group: Not applicable

Environmental Hazards: Not applicable

Special Precautions for User: Not applicable

Section 15: Regulatory Information

Safety, Health, and Environmental Regulations/Legislation Specific for the Substance: Not classified

Chemical Safety Assessment: Not conducted

Section 16: Other Information

Disclaimer: Information provided in this MSDS is based on the current state of our knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.