Austin Black 325

Developed by CFI CARBON PRODUCTS

Safety Data Sheet SDS

SECTION 1: IDENTIFICATION

Product Identifier / Trade Name: Austin Black® 325
Product Description: Processed mineral filler derived from low-volatile bituminous coal
Product Chemical Name: Carbonaceous mineral material derived from bituminous coal
Chemical Family: Carbonaceous mineral (naturally occurring)
Synonyms: Mineral filler; carbonaceous mineral filler; coal-derived mineral filler
Recommended Use: Filler and pigment for rubber, plastic, and industrial applications
Manufacturer: CFI Carbon Products, 271 St. Clairs Crossing, Bluefield, VA 24605 USA
Emergency Telephone Number: (276) 322-4675

SECTION 2: HAZARD(S) IDENTIFICATION

Classification (GHS):
Acute Toxicity (Oral, Inhalation) – Does not meet criteria
Skin Corrosion/Irritation – Does not meet criteria
Eye Damage/Eye Irritation – Does not meet criteria
Respiratory or Skin Sensitization – Does not meet criteria
Mutagenicity – Does not meet criteria
Carcinogenicity – Does not meet criteria
Reproductive Toxicity – Does not meet criteria
Specific Target Organ Toxicity, Single Exposure – Does not meet criteria
Specific Target Organ Toxicity – Repeated Exposure (Category 2)
Combustible Dust (Hazard Not Otherwise Classified – HNOC)
Signal Word: Warning
Pictogram: Health Hazard (GHS08)

Hazard Statements:

- May form combustible dust concentrations in air
- May cause damage to lungs through prolonged or repeated inhalation of respirable dust

Precautionary Statements:

- Avoid breathing dust

- Use only with adequate ventilation
- Minimize dust generation and accumulation
- Wear appropriate respiratory protection where exposure limits may be exceeded

Additional Information:

- This material is stable under normal conditions of handling and transport
- Finely divided dust may present a combustible dust hazard
- For transport classification, see Section 14

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance: Carbonaceous mineral material derived from bituminous coal (naturally occurring mineral)

Components	CAS Numbers	Percent Weight as Received
Carbonaceous mineral (bituminous coal-derived)	308062-82-0	100%
Typical Physical Composition (non-hazardous):		
Ash	68131-74-8	<7.5 %
Moisture	7732-18-5	<1 %
Fixed Carbon	7440-44-0	~90 % (bound within mineral structure; non-reactive under normal conditions)
Total Sulfur	7704-34-9	<1 %
Trace amounts of Silica Quartz (14808-60-7) may be present: up to 0.5%		

SECTION 4: FIRST AID MEASURES

Inhalation:

Exposure to high dust levels may cause temporary irritation of the respiratory tract. Remove to fresh air. Seek medical attention if symptoms persist. Long-term inhalation of respirable dust may lead to pneumoconiosis.

Skin Contact:

Wash with soap and water. Remove contaminated clothing and launder before reuse.

Ingestion:

Not expected to cause adverse effects. Seek medical attention if symptoms occur.

Eye Contact:

Dust may cause mechanical irritation. Flush with water. Seek medical attention if irritation persists.

SECTION 5: FIRE-FIGHTING MEASURES

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

Unsuitable Media:
Direct water stream

General Fire Hazard:
Finely divided dust may form combustible dust-air mixtures in the presence of an ignition source. Flame Propagation in Air: Slow burning solid. Ignition in Air: Above 1300º F (704º C).

Specific Hazards:
Material may smolder under extreme fire conditions. Combustion may produce carbon oxides and sulfur oxides.

Protective Equipment:
Standard fire-fighting equipment with respiratory protection appropriate for combustion gases

Additional Information:
Material exposed to fire should be monitored for residual smoldering. When high dust concentrations exist and a significant energy source is applied, tests have determined that dust clouds and layers of 200 mesh (0.075mm) coal dust and an air mixture can explode. Minimum Ignition Temperature cloud> 1200º F (649º C) Minimum Ignition Temperature layer > 350º F (177º C).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Avoid dust generation. Use appropriate respiratory protection if needed

Cleanup Methods:
Vacuum or dampen material before sweeping. Do not dry sweep

Environmental Precautions:
Dispose in accordance with applicable regulations

SECTION 7: HANDLING AND STORAGE

- Store in a clean, dry area
- Avoid generation and accumulation of dust

- Keep away from strong oxidizers
- Avoid exposure to high temperatures, sparks, and open flame
- Avoid prolonged exposure to elevated temperatures

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:
Not required under normal conditions. Use NIOSH-approved respirator if exposure limits are exceeded

Ventilation:
Use adequate ventilation to maintain dust levels below exposure limits

Skin Protection:
Not required under normal conditions

Eye Protection:
Safety glasses recommended in dusty environments

General Hygiene:
Avoid inhalation of dust. Wash hands after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical State: Solid powder
- Appearance: Grayish-black powder
- Odor: None
- pH: ~7
- Volatile by Volume: 20 % max. when heated to 950º C
- Flammability: Not classified as flammable; dust may present combustible hazard
- Density: ~386 kg/m³
- Solubility: Insoluble
- Flash Point: Not applicable
- Auto-ignition Temperature: Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to Avoid:
Excessive heat, sparks, open flame

Incompatible Materials:
Strong oxidizing agents

Hazardous Decomposition Products:
Carbon oxides and sulfur oxides under fire conditions

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure to respirable dust may cause irritation and, with prolonged exposure, lung effects such as pneumoconiosis

Trace crystalline silica may be present

No significant acute toxicity expected

SECTION 12: ECOLOGICAL INFORMATION

This product is a naturally occurring carbonaceous mineral material

No significant environmental hazards expected

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local, state, and federal regulations

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SECTION 14: TRANSPORT INFORMATION

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Hazard Class: Not applicable

Packing Group: Not applicable

Marine Pollutant: No

Transport Classification:
Not classified as dangerous goods under applicable transport regulations, including IMDG, IATA, and U.S. DOT

Special Precautions:
Avoid excessive dust generation and exposure to heat or ignition sources

Additional Information:
This product is a processed carbonaceous mineral material supplied for industrial use.
It is not shipped as activated carbon, charcoal, or bulk self-heating coal cargo

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SECTION 15: REGULATORY INFORMATION

TSCA: Listed or exempt

SARA 311/312:

- Chronic health hazard
- Combustible dust

SARA 313: Not applicable

RCRA: Not hazardous waste

CERCLA: Not listed

California Proposition 65:
Contains trace crystalline silica

International - Canadian DSL/NDSL, REACH:
Listed or exempt as a naturally occurring mineral

Transport Regulations (Reference): See Section 14. This product is not classified as dangerous goods under applicable transport regulations.

SECTION 16: OTHER INFORMATION

Prepared by: CFI Carbon Products
Issue Number: 16
Revision Date: April 13, 2026
Previous Revision Date: August 7, 2023

Reason for Revision:
Updated hazard communication and transport information for clarity and consistency

Additional Information:

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