

**■ SIGNAL WORD: WARNING** H320: Causes eye irritation. H335: May cause respiratory irritation. Combustible dust hazard (H232).

**SECTION 1: IDENTIFICATION**

<b>Product Name</b>	Activated Hardwood Carbon
<b>CAS Number</b>	7440-44-0
<b>Synonyms</b>	Activated Carbon; Activated Charcoal; Hardwood Activated Carbon; AC
<b>Product Use</b>	Chromatography filtration media; decolorizing agent; adsorbent for oil purification and contaminant removal
<b>Restrictions</b>	For professional/industrial use only.
<b>Supplier</b>	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
<b>Phone</b>	877-710-1965
<b>Email</b>	Sales@canna-gas.com
<b>Emergency Phone</b>	CHEMTREC: 1-800-424-9300 (24-hour)
<b>SDS Revision Date</b>	March 2026

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS Classification</b>	Eye Irritation Category 2B (H320). STOT SE Category 3 (H335). Flammable Solid / Combustible Dust (H232).
<b>Signal Word</b>	<b>WARNING</b>
<b>Hazard Statements</b>	H320: Causes eye irritation. H335: May cause respiratory irritation. H232: May intensify fire — combustible dust.
<b>Precautionary – Prevention</b>	P260: Do not breathe dust. P264: Wash skin thoroughly after handling. P271: Use in well-ventilated area. P280: Wear protective equipment.
<b>Precautionary – Response</b>	P304+340: IF INHALED — remove to fresh air. P305+351+338: IF IN EYES — rinse cautiously with water.
<b>Precautionary – Storage</b>	P405: Store away from ignition sources. Keep away from strong oxidizers.
<b>Precautionary – Disposal</b>	P501: Dispose in accordance with local/regional/national regulations.
<b>Other Hazards</b>	Combustible dust: fine activated carbon dust can form explosive mixtures with air at sufficient concentrations. Can deplete oxygen in sealed containers. Strong adsorber — may adsorb oxygen from enclosed spaces.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Concentration	EC Number
Carbon (activated)	7440-44-0	≥90%	231-153-3

Derived from hardwood via high-temperature steam activation. TSCA listed. Highly porous amorphous carbon.

**SECTION 4: FIRST-AID MEASURES**

<b>Inhalation</b>	Remove to fresh air. Seek medical attention if breathing difficult or symptoms persist.
<b>Skin Contact</b>	Wash with soap and water. Black staining expected — not harmful.
<b>Eye Contact</b>	Rinse carefully with water for at least 15 minutes. Seek medical attention if irritation persists.

<b>Ingestion</b>	Carbon is used in poison treatment in medicine; however, if unknown contaminants present, call physician.
<b>Key Symptoms</b>	Eye irritation. Respiratory irritation from dust. Skin staining (black) — not harmful.

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Water spray, CO2, dry chemical, dry sand. Do NOT use water jets — may spread burning particles.
<b>Specific Hazards</b>	COMBUSTIBLE DUST: fine carbon dust can form explosive mixtures with air. Do not expose to open flames or sparks. Carbon can adsorb oxygen and may cause smoldering. Avoid pressurized air blowing of dry carbon.
<b>Protective Equipment</b>	Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.
<b>Flash Point</b>	Not applicable (solid) — ignition of dust cloud possible at sufficiently high concentration
<b>Autoignition Temperature</b>	~300–400°C for bulk carbon; dust clouds lower
<b>Flammable Limits (LEL/UEL)</b>	LEL: ~50–100 g/m3 (dust); UEL: not established

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Dust mask/respirator, safety glasses, gloves. Eliminate ignition sources.
<b>Environmental Precautions</b>	Do not allow to enter drains, sewers, surface or ground water.
<b>Containment &amp; Cleanup</b>	Carefully sweep or vacuum. Avoid generating dust clouds. Transfer to suitable containers. Keep away from ignition sources during cleanup.

**SECTION 7: HANDLING AND STORAGE**

<b>Safe Handling</b>	Avoid dust generation. Eliminate ignition sources. Adequate ventilation. Keep away from strong oxidizers. Wash hands after use. Storage in sealed containers — activated carbon may deplete oxygen in closed spaces.
<b>Safe Storage</b>	Sealed containers in cool, dry, well-ventilated area. Keep away from oxidizers, heat, and ignition sources.
<b>Incompatibles</b>	Strong oxidizers (chlorine, fluorine, peroxides) — may react violently. Strong acids.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	Limit Type	Value	Authority
Activated Carbon (PNOC)	TWA	10 mg/m3 (inhalable)	ACGIH
Activated Carbon (PNOC)	TWA	3 mg/m3 (respirable)	ACGIH
Carbon (general dust)	TWA	15 mg/m3 (total)	OSHA PEL

  

<b>Engineering Controls</b>	Local exhaust ventilation. Eliminate ignition sources. Monitor for oxygen depletion in enclosed spaces.
<b>Eye/Face Protection</b>	Safety glasses; goggles where dust likely.
<b>Hand Protection</b>	Appropriate protective gloves.
<b>Body Protection</b>	Lab coat or overalls.
<b>Respiratory Protection</b>	N95 dust respirator where dust is generated. P100 for higher concentrations.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Black powder or granules	<b>Bulk Density</b>	~0.25–0.60 g/mL (grade-dependent)
<b>Odor</b>	Odorless	<b>Specific Gravity</b>	~1.9–2.1
<b>pH (slurry)</b>	6–8 (slightly acidic to neutral)	<b>Solubility</b>	Insoluble in water
<b>Surface Area</b>	Typically 500–1,500 m <sup>2</sup> /g (BET)	<b>Vapor Pressure</b>	Not applicable (solid)
<b>Flammability</b>	Combustible solid/dust — H232	<b>Moisture Content</b>	Typically <5% (as supplied)
<b>Flash Point</b>	Not applicable (solid)	<b>VOC Content</b>	None

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Adsorbs oxygen from enclosed spaces. Reacts with strong oxidizers.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Conditions to Avoid</b>	Ignition sources, strong oxidizers, excess heat, enclosed oxygen-depleted spaces.
<b>Incompatible Materials</b>	Strong oxidizers (chlorine, fluorine, peroxides) — may react violently. Strong acids.
<b>Hazardous Decomp. Products</b>	Carbon dioxide, carbon monoxide on combustion.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Routes of Exposure</b>	Inhalation (primary), skin contact, eye contact, ingestion.
<b>Acute Toxicity</b>	Oral LD50 >15,000 mg/kg (rat) — essentially non-toxic by ingestion.
<b>Skin/Eye Effects</b>	Mechanical eye irritation (H320). Black staining of skin — not harmful. Dust may irritate mucous membranes.
<b>Respiratory Effects</b>	Dust inhalation may cause respiratory irritation (H335). Prolonged high-level exposure may cause lung changes.
<b>Carcinogenicity</b>	Not classified as carcinogenic. Not listed on IARC, NTP, or OSHA carcinogen lists.
<b>STOT – Single Exp.</b>	STOT SE Cat 3 — H335: May cause respiratory irritation.
<b>STOT – Repeated Exp.</b>	No specific data. Prolonged high dust exposure may cause pneumoconiosis.
<b>Reproductive Toxicity</b>	Not classified.
<b>Chronic Effects</b>	No specific chronic effects identified at normal use levels.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not expected to be toxic to aquatic organisms.
<b>Persistence/Degradability</b>	Not biodegradable. Chemically stable inorganic carbon.
<b>Bioaccumulative Potential</b>	Not bioaccumulative.
<b>Mobility in Soil</b>	No specific data.
<b>Other Adverse Effects</b>	Avoid release to environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal Methods</b>	Dispose as solid waste per applicable regulations. Do not incinerate in closed container.
<b>Contaminated Packaging</b>	Dispose in accordance with applicable regulations.

### SECTION 14: TRANSPORT INFORMATION

	DOT (USA)	IATA (Air)	IMDG (Sea)

UN Number	Not regulated	Not regulated	Not regulated
Proper Ship. Name	Not regulated	Not regulated	Not regulated
Hazard Class	N/A	N/A	N/A
Packing Group	N/A	N/A	N/A

### SECTION 15: REGULATORY INFORMATION

<b>OSHA HazCom</b>	Classified as hazardous per 29 CFR 1910.1200 (combustible dust, eye irritant, STOT SE).
<b>SARA 311/312</b>	Acute Health: Yes   Chronic Health: No   Fire: Yes   Reactivity: No
<b>CERCLA</b>	No reportable quantity.
<b>TSCA</b>	All components listed on US TSCA Inventory.
<b>California Prop. 65</b>	Not listed.
<b>Canadian DSL</b>	All components listed on Canadian DSL Inventory.

### SECTION 16: OTHER INFORMATION

<b>Issue Date</b>	March 2026
<b>Version</b>	1.0
<b>Prepared By</b>	Cannagas Supply
<b>Key Sources</b>	GHS Purple Book Rev. 9; OSHA HazCom 2012; NIOSH Pocket Guide; ACGIH TLVs.

**DISCLAIMER:** The information in this Safety Data Sheet is believed to be accurate and represents the best information currently available to Cannagas Supply. This SDS is provided in good faith without warranty of any kind. Users are responsible for determining suitability of this product for their specific application and for compliance with all applicable laws and regulations.