

## Horticultural Charcoal

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Horticultural Charcoal [BioChar]  
**Product Code(s):** CHAR-2  
**Other means of Identification:**  
**Recommended Use:** Soil Amendment

**Manufacturer/Marketer:**  
P.F. Harris Manufacturing Company, LLC  
P.O. Box 1922  
Cartersville, GA 30120  
Email: [info@pfharris.com](mailto:info@pfharris.com)  
[www.pfharris.com](http://www.pfharris.com)

Customer Service: 1-800-637-0317  
Monday-Friday, 9am – 5pm EST

**Emergency:**  
National Poison Control: 1-800-222-1222  
24-hour Emergency Telephone: 1-800-255-3924

### SECTION 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**HAZARDS CLASSIFICATION:**

Serious Eye damage/Eye Irritation – Category 2A  
Acute Toxicity, Inhalation (Category 5)  
Combustible Dust

**SIGNAL WORD:** WARNING

**GHS HAZARD PICTOGRAMS:**



**Hazard Statements:** Causes serious eye irritation. May be harmful if inhaled. May form combustible dust concentrations in air.

**Precautionary Statements:** Keep away from heat/sparks/open flames/hot surfaces - No smoking. Avoid breathing dusts. Dust contact with eyes may cause temporary scratchiness or redness. Prolonged or repeated exposure to excessive concentrations of this product's dust, or any nuisance dust, can cause chronic pulmonary disease. Wash thoroughly after handling. Use personal protective equipment as required. Wear protective clothing/eye protection/face protection.

**Acute/Potential Health Effects:**

**EYES:** Unlikely route of exposure. Dusts or fibers may cause mechanical irritation, tearing, and blurred vision.

**SKIN:** No known acute effects.

**INHALATION:** Unlikely route of exposure. Avoid breathing dusts.

**INGESTION:** Unlikely route of exposure. Ingestion of large quantities may be irritating to the digestive tract.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name	CAS Number	WT %
Carbon	7440-44-0	60-100
Calcium oxide	1305-78-8	1-3

Any remaining components of this product are non-hazardous or are in small enough quantities as to not to meet thresholds for disclosure. These components contain no substances or impurities which influence the classification of this product.

### SECTION 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** No anticipated need for first aid measures. Rinse skin with water. Wash clothing before reuse.

**INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** Rinse mouth and drink plenty of water. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

### SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use water, water spray, foam or fog for cooling exposed material/containers.

**SPECIFIC HAZARDS:** Dust may be combustible under specific conditions. Dusts may form explosive mixture in air.

**SPECIAL PROTECTIVE EQUIPMENT:** Safety glasses, gloves

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain and recover material when possible. Use appropriate personal protective equipment. Vacuum, shovel or sweep up and place into a suitable container for reclamation or disposal using a method that does not generate dust. Dispose of in accordance with applicable local regulations. Keep out of sewer or stormwater drains.

### SECTION 7. HANDLING AND STORAGE

**HANDLING:** Use this product only in a manner consistent with its labeling. Take precautions to avoid contact with eyes and generation of dusts. Keep away from sources of ignition. No smoking.

**STORAGE:** Store only in original container, in a dry place inaccessible to children and pets. Emptied containers may retain product residues.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Calcium oxide			5				2

**ENGINEERING CONTROLS:** Adequate ventilation to keep dust level below PEL.

**Eye Protection:** Safety glasses

**Skin Protection:** Gloves

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Dust mask recommended if prolonged use of this product in confined areas is expected

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid – particles (with particle sizes varying dependent upon handling and processing)

**Appearance and Odor:** Black, mild (charcoal/earthy/low odor)

**pH:** 8.0 – 9.0

**Flash Point:** N/A

**Flammability:** N/A

**AI Temperature:** >400°C

**Solubility:** Not soluble in water

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid dust generation. Avoid sparks and open flame.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Incompatible Materials:** Strong Oxidizers, Sparks, Heat, Flame

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicological Data:** No data for mixture

Carbon	7440-44-0	Oral LD50 (rat): >10,000 mg/Kg
Calcium oxide	1305-78-8	Oral LD50 (rat): 500 mg/Kg

**Eye contact:** Causes eye irritation. Dust contact with eyes may cause temporary scratchiness or redness.

**Skin contact:** No known acute effects. Prolonged contact with dust may dry skin.

**Sensitization:** Non sensitizer.

**Inhalation:** Prolonged or repeated exposure to excessive concentrations of this product's dust, or any nuisance dust, can cause chronic pulmonary disease.

**Ingestion:** Harmful if swallowed.

**Carcinogenicity:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

## SECTION 12. ECOLOGICAL INFORMATION

**Environmental Fate Data; Persistence/Degradation:** No additional information.

**Ecotoxicity:** Avoid contaminating waterways.

**Soil Mobility:** No additional information.

## SECTION 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	-	-	-	-
Transport Hazard Class	-	-	-	-
Packing Group	-	-	-	-
Environmental Hazards	-	-	-	-
Additional Information	-	-	-	-

## SECTION 15. REGULATORY INFORMATION

### US Federal Regulations:


**TSCA (TOXIC SUBSTANCE CONTROL ACT):** The ingredients of this product are listed or exempted from listing because of Low Volume Exemption has been granted in accordance with 40 CFR 723.50

**SARA 302/304 EMERGENCY PLANNING EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

**SARA 311/312:** Acute Health: [ ] Chronic: [ ] FIRE: [ ] Sudden Release of Pressure: [ ] Reactive: [ ]

**SARA 313 (Specific Toxic chemical listings):** None

**State and Local Regulations:** Certain states maintain their own ingredient lists which differ slightly from the Federal standards. Check with your state for additional regulations.

**CA Proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986):**  **WARNING:** This product can expose you to Arsenic, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16. OTHER INFORMATION

**Date of issue/revision:** 01/02/2023

**Version:** 1.0

**Date of previous issue:** None

Revisions made: -

**Notice to reader:** This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handles or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractor and customers who will use this product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.