

Section 01: Chemical Product Identification

Domestic Trade Name: **CARBON (12X40 AW, 1000 IODINE PLUS)**

Export Trade Name: Granular Activated Carbon

Product Use: Chlorine and organics removal from water.

Manufacturer/Supplier: AmeriWater, LLC

General Information: 937-461-8833

Synonyms: Granular Activated Carbon

CAS Number: 7440-44-0 (80 - 98%)
7732-18-5 (2-20%)

Address: 3345 Stop 8 Rd, Dayton Ohio, 45414, USA

Website: www.AMERIWATER.com

Section 02: Hazards Identification:

GHS Classification:

Health	Environmental	Physical
<p>Health Hazards: Primary Route of Exposure: Skin contact Inhalation: Dust may be mildly irritating to the upper respiratory tract. Skin Contact: Exposure to skin may cause slight irritation, but immediate first aid not likely required. Eye contact: Will cause eye irritation. Ingestion: No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Medical Conditions Aggravated by Exposure: May aggravate existing respiratory ailments.</p>	<p>Acute Toxicity: Mutagenicity: None known Oral Toxicity: believed to be low but no LD50 has been established. Skin Irritation: Mild rash Inhalation Toxicity: Dust is a respiratory irritant. Chronic Exposure: None known Eye Contact: Will cause eye irritation. Sensitizer: Not a sensitizer</p>	<p>Boiling Point: N/A Melting/Freezing Point: Does not melt or freeze Flammability or explosive limits Flammable > 220° C Flash point >220° C Auto-ignition temperature >220° C Appearance: Irregular black granular pieces Odor: None pH Near neutral (6 to 8 typical) Vapor Pressure: N/A Vapor Density: N/A Water Solubility: Insoluble</p>

GHS Label:

Symbols:



Hazard Statements

WARNING

(Contains granular activated carbon)

H320: Causes eye irritation (Category 2B)

H335: May cause respiratory irritation (Category 3)*

* Chronic risk from breathing dust

Precautionary Statements

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P284: In case of inadequate ventilation wear respiratory protection.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

Section 03: Composition / Information on Ingredients

Component

Granular Carbon
Water

CAS Number

7440-44-0 (80 - 98%)
7732-18-5 (2 – 20%)

Section 04: First Aid Measures

Inhalation: Dust may be mildly irritating to the upper respiratory tract.

Skin: Wash with soap and water - seek medical attention if a rash develops.

Eye contact: Wash immediately with water - seek attention if discomfort continues.

Ingestion: No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

Section 05: Fire Fighting Measures

NFPA Fire rating = 1

Extinguishing media: Water, CO₂, foam, dry powder

Fire fighting Procedures: Follow general fire fighting procedures indicated in the work place.

Protective Equipment: MSHA/NIOSH approved self-contained breathing gear, full protective clothing.

Combustion Products: Carbon oxides and other toxic gasses and vapors.

Unusual Hazards: Product is not combustible until moisture is removed.

Carbon begins to burn at approximately 230° C. Auto ignition can occur above 500° C

Section 06: Accidental Release Measures

Personal Precautions: Wear gloves and safety glasses to minimize skin or eye contact.

Incompatible Chemicals: Strong oxidants can create risk of combustion products similar to burning.

Environmental Precautions: Keep out of public sewers and waterways.

Containment Materials: Use plastic, paper containers, or metal containers.

Methods of Clean-up: Sweep up material and transfer to containers

Section 07: Handling and Storage

Handling: Avoid prolonged skin contact.

Storage: Store in a cool dry place (0° to 50° C) in the original shipping container. This product is not thermally sensitive. Freezing does not damage granular carbon.

TSCA considerations: Carbon should be listed on the TSCA Inventory in compliance with State and Federal Regulations.

Section 08: Exposure Control/Personal Protection

OSHA exposure limits: None noted.

Engineering Controls: Provide adequate ventilation.

Personal Protection Measures:

Eye Protection Safety glasses or goggles.

Respiratory Protection Dust mask or respirator recommended for poorly ventilated spaces.

Protective Gloves Not required for limited exposure but recommended for extended contact.

Section 09: Physical and Chemical Properties

Appearance: Irregular black granular pieces.
Flammability/ explosive limits: Flammable above 220° C
Odor: None
Physical State: Solid
Vapor pressure: Not available
Odor threshold: Not available
Vapor density: Not available
pH: Near neutral (6 to 8 typical)
Relative density: Approx 400 grams/Liter

Melting point/freezing point: Does not melt or freeze.
Solubility: Insoluble in water and most solvents
Boiling point: Does not boil
Flash point: >220° C
Evaporation rate: Does not evaporate
Partition Coefficient (n-octanol/water): Not applicable
Auto-ignition temperature: >220° C
Decomposition temperature: Above 220° C
Viscosity: Not applicable

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Wet carbon adsorbs oxygen from air. Contact with strong oxidizing agents can cause rapid combustion.

Hazardous by-products: Carbon oxides, sulfur oxides, chlorinated hydrocarbons.

Incompatible materials: Strong oxidizing agents (such as HNO₃).

Hazardous Polymerization: Does not occur

Section 11: Toxicological Information

Likely Routes of Exposure: Oral, skin or eye contact.

Effects of exposure:

Delayed	None known.
Immediate (acute)	None known.
Chronic	None known.

Toxicity Measures

Skin Adsorption	Unlikely
Ingestion	Oral toxicity believed to be low but no LD50 has been established.
Inhalation	Unknown, vapors are very unlikely due to physical properties (insoluble solid).

Toxicity Symptoms

Skin Adsorption	Mild Rash.
Ingestion	Indigestion or general malaise.
Inhalation	Dust is a respiratory irritant.

Carcinogenicity: None known skin.

Section 12: Ecological Information

Eco toxicity	Not harmful to plant or animal life.
Mobility	Insoluble.
Biodegradability	Not biodegradable.
Bioaccumulation	Insignificant.
Other adverse effects	Not Harmful to the environment.

Section 13: Disposal Considerations

General considerations	Material is non-hazardous.
Disposal Containers	Most plastic and paper containers are suitable.
Disposal methods	No specific method necessary.
Sewage Disposal	Not recommended.
Precautions for incineration	May release toxic vapors when burned.
Precautions for landfills	Carbon used to remove hazardous materials may then become hazardous mixtures.

Section 14: Transport Information

Transportation Class	Not classified as a dangerous good for transport by land, sea, or air.
TDG	Not regulated.
IATA	Not regulated.
DOT (49 CFR 172.101)	Not Regulated.

Section 15: Regulatory Information

CERCLA	Not regulated
SARA Title III	Not regulated
Clean Air act	Not regulated
Clean Water Act	Not regulated
TSCA	Not regulated
Canadian Regulations	
WHMIS	Not a controlled product
TDG	Not regulated
Mexican Regulations	Not Dangerous

Section 16: Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0
Flammability: 1
Reactivity: 0
Special: N/A

Scale: 0 = Negligible 1 = Slight 2 = Moderate 3 = High 4 = Extreme

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.