

Material Safety Data

Section 1 – PRODUCT IDENTIFICATION

Product Name AGCARB
CAS# C.A.S. #: 744-44-0
Generic Name POWDERED ACTIVATED CARBON
Formula C (This product is manufactured for use in the treatment of potable water)

Supplier Information

Standard Purification	Emergency
Phone	
551 N. US Hwy. 41	James Sharpe
Dunnellon, FL 34432	917.583.0834

Section 2 – MATERIAL IDENTIFICATION & HAZARDOUS COMPONENTS

Principal component: Carbon (non-hazardous), **Hazardous Components:** Non-hazardous, **OSHA Permissible Exposure Limit:** Not Standard: Treat as Nuisance Dust (Medical personnel should be consulted if any abnormal physical conditions occur.), **ACGIH Threshold Limit:** 10mg/meter, Treated as nuisance dust, **Other Limits:** 250ppm maximum in use for the treatment of potable water.

Section 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A, **Specific Gravity (H₂O = 1):** 0.45 – 0.51, **Vapor Pressure (mm Hg.):** 0, **Melting Point:** N/A, **Vapor Density (Air = 1):** N/A, **Evaporation Rate (Butyl Acetate = 1):** N/A, **Water Reactivity:** Not reactive, (Corrosive when wet, non-corrosive in dry form.), **Solubility in Water:** Insoluble, **Appearance and Odor:** Black powder particles, odorless.

Section 4 – FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media: Water-fine mist or dry chemical. **Special Fire Fighting Procedures:** Use self-contained breathing apparatus. Use fine spray of water, avoid methods that may stir up dust clouds, or cause the burning particles of carbon to fly over the area, spreading the fire. **Hazardous Decomposition or By-products:** Carbon Monoxide may be generated in the event of fire. **Unusual Fire Explosion Hazard:** Fire generally burns slowly with a dull glow and may be difficult to detect. Airborne dust may create an explosion hazard. Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc., may result in fire. **Ignition temperature:** Exceeds 350 C **Flash Point:** N/A **Flammable Limits in Air:** N/A.

Department of Transportation Information:

Proper Shipping Name: Powdered Activated Carbon **Product Label:** WATERCARB. **Hazard Class:** None (Product is not spontaneously combustible or self-heating). **Freight Class Package:** Class 70 **Freight Class Bulk:** Class 70

Section 5 – REACTIVITY DATA

Stability: STABLE. **Incompatibility and conditions to Avoid:** Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. **Hazardous Decomposition or by-products:** Carbon Monoxide may be generated in the event of fire. **Hazardous Polymerization:** Will not occur.

Section 6 – HEALTH HAZARD DATA

Health Hazards: None Known **Route(s) of Entry:** **Inhalation?** YES, if airborne dust is created. **Skin?** NO. **Ingestion?** YES, if airborne dust gets in mouth. **Chemical listed as Carcinogen or Potential Carcinogen?** NO. **National toxicology Programs:** NO. **OSHA:** NO. **L.A.R.C. Monographs?** NO. **OSHA Regulated?** Not Standard. Treat as Nuisance Dust. (Medical personnel should be consulted if any abnormal physical conditions occur.) **Signs and Symptoms of Exposure:** NONE. **Medical Conditions Aggravated by Exposure:** None known. **Emergency First Aid Procedures:** 1. **Inhalation:** Remove to fresh air and provide rest. 2. **Skin contact:** Non-irritant. Wash thoroughly with soap and water. 3. **Eye Contact:** Flush with excess water and consult a physician. 4. **Ingestion:** Drink plenty of water and consult physician if gastrointestinal problems develop.

Section 7 – PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Personnel should wear respiratory protection, retrieve as much of material as possible by sweeping up or similar means, and wash down area. **Waste disposal Method:** Dispose unused carbon as non-hazardous waste in refuse container in accordance with local, state, and federal regulations. **Precautions to be taken in handling and storing:** Wet activated carbon depletes oxygen from air which can represent a major problem for workers in confined spaces by causing asphyxiation. Sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state and federal regulations. Keep away from strong oxidizers. **Other Precautions:** Wash thoroughly after handling. Exercise caution in the storage and handling of all chemical substances.

Section 8 – CONTROL MEASURES

Respirator Protection (Specify Type): NIOSH approved dust mask recommended if excess carbon dust is generated. **Ventilation:** Adequate to remove dust and to comply with maximum exposure limits. **Eye Protection:** Safety Goggles with side shields recommended. **Protective Gloves:** For personnel hygiene. **Local Exhaust:** Where needed. **Other Protective clothing or equipment:** Not required.

Section 9 – NFPA HAZARD SIGNAL

Health Hazard: 0
Hazard: 0

Flammability Hazard: 1

Reactivity

Section 10 – REGULATORY INFORMATION

RCRA Status: If discarded in its purchased form, this product would not be a hazardous waste, either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261-2-24).

Section 11 – OTHER INFORMATION

MAX USAGE 250 PPM FOR USE IN POTABLE WATER TREATMENT. ANSI/NSF STANDARD 61 CERTIFIED.