

Aquascape, Inc.
EcoSystems EcoCarbon

SECTION I – IDENTIFICATION

Trade Name: **EcoSystems EcoCarbon**
Product Use: **Filter Media**

SECTION II - COMPONENTS (Hazardous & Other)

Ingredients: Activated Carbon 100% C.A.S./(7440-44-0) TLV (ADGIH) Not Listed

SECTION III - PHYSICAL DATA

State: Pellets
Appearance: Black Pellets
Odor: None/Slight
Boiling Point: N/A
Density: N/A
Vapor Pressure: (mmHg at 20 Degrees C) Zero
Vapor Density: N/A
Odor Threshold: N/A
Evaporation Rate: N/A
Freezing Point: N/A
pH: N/A
Specific Gravity: 350 – 600 g/l
Storage Conditions: Store tightly closed in cool place

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Ignition Temperature: About 450 C (ANSI/ASTM D3466)
Flammable Limits: All carbonaceous materials will burn under certain conditions and Activated Carbon is no exception. Activated Carbons, however, are not highly flammable and burn slowly without producing smoke or flame.
Hazardous Combustible Products: None
Extinguishing media: Water (fog or fine spray), carbon dioxide
Avoid methods, which may stir up dust clouds
Special fire fighting protective equipment: Self-contained breathing apparatus.
Unusual fire and explosion hazards: Airborne dust is a weak explosion hazard.

SECTION V REACTIVITY DATA

Stability: Stable under normal conditions
Polymerization: Will not occur
Conditions to Avoid: Strong oxidizing agents, fluorine.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide

SECTION VI - TOXICOLOGICAL PROPERTIES-----

Toxicity:	No Toxicity data are available. Physical and chemical properties of activated carbon are used for the health hazard assessment.
Carcinogenicity:	Activated carbon is not listed in the National Toxicology program (NTP) Annual report on carcinogens nor has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) monographs or by OSHA.
Skin Contact:	This material is not likely to be a primary irritant on human skin; it has a low potential for sensitization after skin contact.
Skin Absorption:	This product is not known to be absorbed through the human skin.
Eye Contact:	This material will probably cause some mild physical irritation if contact is made with human eyes.
Inhalation:	Acute toxic effects are not likely to develop after inhalation from this material.
Ingestion:	The acute oral LD50 values are not available. Relative to other materials, a single dose of this product is relatively harmless by ingestion. Hodge, H. C. and Sterner, J. H., American Industrial Hygiene Association Quarterly, 10:4, 93, Dec. 1949.
Exposure Limits:	No adverse clinical effects have been associated with exposures to this material.

SECTION VII - PREVENTATIVE MEASURES-----

Personal Protective Equipment:	TLV or suggested control value: The current OSHA and ACGIH limit for dusts which contain more than 1% quartz are as follows for NUCON steam activated coal base carbons: Respirable Dust Limit = 0.7 mg/m ³ (OSHA & ACGIH) Total Dust Limit = 2.1 mg/m ³ (OSHA) Total Dust Limit = 2.0 mg/m ³ (ACGIH)
Ventilation:	Provide adequate general and local exhaust ventilation to meet suggested control value requirements.
Respiratory Protection:	If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m ³ .
Protective Clothing:	For personal hygiene purposes use adequate clothing to prevent skin contact.

Eye Protection: Safety glasses with side shields. Contact lenses should not be worn when working with activated carbon.

Other protective equipment: Eyewash station in work area.

Leak or Spill Procedure: Wear respiratory protection during cleanup. Sweep up and recover or mix material with water and shovel into waste container. Wash down spill area with water containing detergent and flush away with plenty of water.

Disposal: Dispose of virgin (unused) carbon (waste or spillage) in a facility for non-hazardous wastes.

Container Disposal: Do not reuse empty bags. Dispose of in facility permitted for non-hazardous waste.

Handling/Storage Proced.: Activated carbon can be safely stored in any normal storage area, but away from sources of direct heat.

Storage Requirements: An oxygen deficiency may be created when activated carbon is stored in an enclosed space/silo. Ventilate or wear self-contained breathing apparatus.

SECTION VIII - FIRST AID MEASURES-----

Skin: Wash material off the skin with soap and water. If redness, itching or a burning sensation develops, get medical attention.

Eyes: Immediately flush with copious amounts of water. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Inhalation: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

Ingestion: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION IV ADDITIONAL INFORMATION-----

Preparation Information: N/A
 Department: Manufacturing
 Phone Number: 918-610-1006
 Date: 5/01/2000

N/A - Not Applicable
ND - Not Determined

KEEP OUT OF REACH OF CHILDREN

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