

# CAMERON ENVIRONMENTAL, INC.

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## MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: April 19, 2002

### SECTION I- GENERAL INFORMATION

MANUFACTURER NAME: Cameron Environmental, Inc. 310.212.0610

20741 Manhattan Place, Torrance, CA 90501

CHEMICAL NAMES & SYNONYMS: Activated Carbon, Activated Coconut, Activated Charcoal, Char, V-Coal

TRADE NAMES & SYNONYMS: **Activated Carbon**

CHEMICAL FAMILY: Amorphous Carbon, Activated Coconut FORMULA: Carbon atom in a crystallite structure has an infinite molecular weight, Anthracite Coal, Bituminous Coal CAS NO. 7440-440

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### SECTION II- HAZARDOUS INGREDIENTS

CHEMICAL NAME (Ingredients) [% TLV (Units)]: No Hazardous Ingredients

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASSES [% TLV (Units)]:  
LIQUIDS

Activated Carbons that have adsorbed other carbon or non-carbon liquids or gasses may lower or raise the ignition point and must be laboratory checked for ignition point when expended.

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### SECTION III- PHYSICAL DATA

BOILING POINT (DEG F): 4200

SPECIFIC GRAVITY (H<sub>2</sub>O-1): 1.8-2.1

VAPOR PRESSURE (MM HG) N/A

PERCENT VOLATILE BY VOLUME: none

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE: none

SOLUBILITY IN WATER: insoluble

IGNITION TEMPERATURE: 600 deg C

APPEARANCE & ODOR: Odorless, black granular solid

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### SECTION IV- FIRE HAZARD & EXPLOSIVE DATA

FLASH POINT (method used): none

FLAMMABLE LIMITS: Lower Explosive Limit: N/A Upper Explosive Limit: N/A

EXTINGUISHED MEDIA: Use media for class A fires: Foam, multipurpose dry chemical and water type extinguishers.

SPECIAL FIRE FIGHTING PROCEDURES: none

UNUSUAL FIRE & EXPLOSION HAZARDS: Provide for the handling of dry flowing solids in grounded equipment to prevent build up of static electric charge especially when explosive dust or vapor mixtures may exist in confined areas. Also provide for pressure relief devices following the principles set forth in the National Fire Protection Association Explosion Preventing Guide NFPS68-1854.

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### SECTION V- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Avoid exposure to dust levels 15 mg per cubic meter. (Federal), 10 mg per cubic meter (California State).

EFFECTS OF OVEREXPOSURE: Temporary dryness to mucous membrane causing coughing and minor nose and throat irritation.

EMERGENCY AND FIRST AID PROCEDURES: Wash mouth with water-no other treatment required. Use protective respiratory equipment to avoid inhaling carbon dust.

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## **SECTION VI- REACTIVITY DATA**

STABILITY: UNSTABLE→ STABLE→ **X**  
CONDITIONS TO AVOID: Activated Carbon is chemically inert  
INCOMPATABILITY (Materials to avoid): none  
HAZARDOUS DECOMPOSITION PRODUCTS: none  
HAZARDOUS POLYMERIZATION: MAY OCCUR→ WILL NOT OCCUR→**X**

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## **SECTION VII- SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Spills can create nuisance dust and house keeping problems. Vacuuming is best clean up procedure.  
WASTE DISPOSAL METHOD: Wet or dry activated carbon is best disposed of by landfill.

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## **SECTION VIII-PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify Type): Respiratory classifications table G-2 part 1910.93 (OESHA) Rules & Regulations.  
VENTILATION: LOCAL EXHAUST: Vacuum to control dust  
PROTECTIVE GLOVES: None required  
EYE PROTECTION: For airborne dust  
OTHER PROTECTIVE EQUIPMENT: Protective clothing should be worn during handling to protect against airborne dust.

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## **SECTION IX- SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Packaged activated carbon is not resistant to weather or outside storage and requires indoor Type I and Type II storage facilities.  
OTHER PRECAUTIONS: Check oxygen content of atmosphere of any vessel containing activated carbon before allowing entry of personnel.

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## **SECTION X- TRANSPORTATION DATA**

PROPER SHIPPING (Article) NAME: Steam Activated Carbon, Non-Regulated **OR** Carbon, Activated, Non-Regulated  
DOT CLASSIFICATION: NMFC 40560 / DOT MARKING: N/A / DOT PLACARD: N/A  
EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES:  
Contact: Cameron Environmental, Inc.  
Phone: 310.212.0610  
PRECAUTIONS TO BE TAKEN IN TRANSPORTATION: N/A

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The information contained herein is based on data considered accurate in light of current formulation. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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