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Activated Carbon and Specialty Media  
Pollution Control Systems and Filtration Equipment Rental

## MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: June 6, 2005

### SECTION I- GENERAL INFORMATION

MANUFACTURER NAME: **BakerCorp 310.303.3700**  
**4306 West 190<sup>th</sup> Street, Torrance, CA 90504**

CHEMICAL NAMES & SYNONYMS: Impregnated Activated Carbon Pellets

TRADE NAMES & SYNONYMS: **PPP**

### SECTION II- HAZARDOUS INGREDIENTS

CHEMICAL NAME (Ingredients) [%TLV (Units)]: Potassium Hydroxide<20% 2mg/m<sup>3</sup>

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.

### SECTION III- PHYSICAL DATA

BOILING POINT (DEG F): N/A

PERCENT VOLATILE BY VOLUME: N/A

VAPOR PRESSURE: (MM Hg): N/A

EVAPORATION RATE: N/A

VAPOR DENSITY (AIR=1): N/A

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

IGNITION TEMPERATURE: 340 deg C

ODOR: Odorless.

APPEARANCE: Black cylindrical solid, free flowing when dry

### SECTION IV- FIRE HAZARD & EXPLOSIVE DATA

FLASH POINT (method used): N/A

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

EXTINGUISHING MEDIA: Not rated by NFPA-Water

SPECIAL FIRE FIGHTING INSTRUCTIONS: Since wet activated carbon adsorbs oxygen, do not enter closed vessels without a self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: New KOH impregnated carbon may react exothermically if exposed to air under static conditions. When KOH carbon is loaded into a vessel, the design airflow should be started and not interrupted. If "hot spots" are present, rapid oxidation can be stopped by resumption of air flow or water spray.

STORAGE: In sealed metal drums only. Packaging in boxes or sling bags require immediate usage into air purification device with air movement across media.

### SECTION V- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Avoid exposure to dust levels above 15 mg per cubic meter.

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

EMERGENCY AND FIRST AID PROCEDURES: (pure potassium hydroxide) irrigate eyes and skin with copious amounts of water. For inhaled dust, monitor breathing and administer artificial respiration or oxygen. Transport to hospital if required.

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## SECTION VI- REACTIVITY DATA

STABILITY: UNSTABLE → STABLE → X

CONDITIONS TO AVOID: Close proximity to volatile solvents; open flames; strong oxidizing or reducing chemicals.

INCOMPATIBILITY (Materials to avoid): Liquid or highly gaseous chlorine dioxide; potassium paroxodisulphate, peroxidised tetrahydrofuran.

HAZARDOUS DECOMPOSITION PRODUCTS: none

POLYMERIZATION: None

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## SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Collect with broom and shovel. Wear a particle mask, goggles, and gloves. If media becomes wet, store for waste disposal in plastic lined containers. Do not enter large vessels without a self-contained breathing apparatus-especially when carbon is wet.

WASTE DISPOSAL METHOD: (pure potassium hydroxide) Wash spill site with copious amounts of water.

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## SECTION VIII- PROTECTION INFORMATION RESPIRATORY PROTECTION (Specify Type):

Respiratory classification table G-2 part 1910.93 (OSHA) Rules & Regulations

VENTILATION: LOCAL EXHAUST: Vacuum to control dust

PROTECTIVE GLOVES: Corrosive Chemical Resistant

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT: While handling, use a particle mask, goggles and gloves. Store away from volatile organic solvents and moisture (to preserve media).

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## SECTION IX- SPECIAL PRECAUTIONS

STORAGE AND HANDLING PRECAUTIONS: 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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