

California Carbon Co., Inc.
2825 E. Grant St., Wilmington, CA 90744 (562)436-1962 Fax: (562)437-1217

MATERIAL SAFETY DATA SHEET

STP-460K

DATE OF ISSUE: 06072006

SECTION 1 - GENERAL INFORMATION

MANUFACTURER NAME: CALIFORNIA CARBON CO., INC., 2825 E. GRANT ST.,
WILMINGTON, CA 90744 (562)436-1962/1-800-663-5830

CHEMICAL NAMES & SYNONYMS: Impregnated Activated Carbon Pellets

TRADE NAMES & SYNONYMS: STP-460K CAS NO. 68647-86-9

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME (Ingredients) [% TLV (Units)]: Potassium Hydroxide <20% 2mg/m³

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

SPECIFIC GRAVITY (H₂O-1): 1.8 - 2.1

VAPOR PRESSURE (MM HG): N/A

PERCENT VOLATILE BY VOLUME: N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Pure KOH 0.9 parts to 1 part water.

IGNITION TEMPERATURE: 340 deg C

APPEARANCE AND ODOR: Odorless, black cylindrical solid, free flowing when dry.

SECTION IV - FIRE HAZARD & EXPLOSIVE DATA

FLASH POINT (method used): none

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

EXTINGUISHING MEDIA: Not rated by the NFPA - Water

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

UNUSUAL FIRE & EXPLOSION HAZARDS: New STP-460K impregnated carbon may react exothermically if exposed to air under static conditions. When STP-460K carbon is loaded into a vessel, the design air flow 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.

MATERIAL SAFETY DATA SHEET

STP-460K

PAGE 2

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Avoid exposure to dust levels above 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: (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.

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 concentrated gaseous chlorine dioxide; potassium paroxodisulphate, peroxided tetrahydrofuran.

HAZARDOUS DECOMPOSITION PRODUCTS: none

HAZARDOUS POLYMERIZATION: May Occur --> Will Not Occur --> X

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.

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).

California Carbon Co., Inc.
2825 E. Grant St., Wilmington, CA 90744 (562)436-1962 Fax: (562)437-1217

MATERIAL SAFETY DATA SHEET
STP-460K
PAGE 3

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.

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: OCEAN BLUE ENVIRONMENTAL SERVICES
1-800-990-9930

PRECAUTIONS TO BE TAKEN IN TRANSPORTATION: N/A

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.

CALIFORNIA CARBON CO., INC.
2825 E. GRANT ST.
WILMINGTON, CA 90744
(562)436-1962 OR 1-800-663-5830
FAX (562)437-1217
E-MAIL: Ccarbon2@aol.com