

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

Prepared by: ARS  
Date: 5/25/01

**SECTION I**

MANUFACTURER'S NAME Carbtrol Corporation	EMERGENCY TELEPHONE NO. (203)-337-4340
ADDRESS (Number, Street, City, State & Zip Code) 955 Connecticut Avenue, Suite 5202, Bridgeport, CT 06607	
CHEMICAL NAME AND SYNONYMS Activated Carbon	TRADE NAME & SYNONYMS
CHEMICAL FAMILY Carbon impregnated with Potassium Hydroxide	FORMULA C + KOH

**SECTION II - HAZARDOUS INGREDIENTS\***

<u>PAINTS PRESERVATIVES &amp; SOLVENTS</u>	<u>%</u>	<u>TLV</u> <u>(Units)</u>	<u>ALLOYS &amp; METAL COATINGS</u>	<u>%</u>	<u>TLV</u> <u>(Units)</u>
PIGMENTS		N/A	BASE METALS		N/A
CATALYST		N/A	ALLOYS		N/A
VEHICLE		N/A	METALLIC COATINGS		N/A
SOLVENTS		N/A	FILLER METAL PLUS		
ADDITIVES		N/A	COATINGS OR CORE FLUX		N/A
OTHERS			OTHERS		

<u>HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES</u>	<u>%</u>	<u>TLV</u> <u>(Units)</u>
Carbon	80	N/A
Potassium Hydroxide	<20	N/A

\*Chemicals not classified as hazardous according to OSHA guidelines as specified in 29CFR 1915.2 will not be listed although one or more may be a constituent of the product.

**SECTION III - PHYSICAL DATA**

BOILING POINT (°F)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O = 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 (_____ = 1)	N/A
SOLUBILITY IN WATER	<20%	BULK DENSITY (g/cc)	0.4-0.7
APPEARANCE AND ODOR	Granular,	no odor.	

**SECTION IV - FIRE AND EXPLOSION HAZARD**

FLASH POINT (Method used): N/A	FLAMMABLE LIMITS: N/A	LEL: UEL:
EXTINGUISHING MEDIA: In case of fire, may use foam, CO <sub>2</sub> or dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES: Exercise caution when responding to any chemical fire. Respiratory protection is essential.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers, such as ozone or liquid oxygen, may cause rapid combustion. Reacts violently with strong liquid acids. Exothermic reaction may result when exposed to humidity. Startup instructions in operating manual should be closely followed.		

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### SECTION V - HEALTH HAZARD DATA

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THRESHOLD LIMIT VALUE:

None.

EFFECTS OF OVEREXPOSURE:

Potassium Hydroxide is corrosive to skin and eyes. Permanent eye injury may result from continued contact.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with water for at least 15 minutes. Consult physician if irritation persists.

Skin: Flush with water, wash with soap and water.

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### SECTION VI - REACTIVITY DATA

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STABILITY:

UNSTABLE: \_\_\_\_\_

STABLE: XX

CONDITIONS TO AVOID:

Generates heat on initial contact with moisture. See instructions. Reacts violently with concentrated acid.

INCOMPATIBILITY (Materials to avoid):

Strong oxidizers, such as ozone, liquid oxygen, permanganate, hydrofluoric & nitric acids, etc. Vapor streams containing high concentrations of combustible hydrocarbons. Acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide may be generated in the event of combustion.

HAZARDOUS POLYMERIZATION:

MAY OCCUR: \_\_\_\_\_

WILL NOT OCCUR: XX

CONDITIONS TO AVOID:

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### SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up spill and discard in protected refuse container.

WASTE DISPOSAL METHOD:

Dispose of or reactivate in accordance with Local, State and Federal regulations.

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### SECTION VIII - SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION (Specify type):

Standard precaution against dust; particulate respirator.

VENTILATION:

LOCAL EXHAUST:

Essential during operations in enclosed or confined areas.

MECHANICAL (General):

SPECIAL:

OTHER:

PROTECTIVE GLOVES:

Rubber gloves recommended.

EYE PROTECTION:

Safety goggles or glasses recommended.

OTHER PROTECTIVE EQUIPMENT:

None.

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### SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Keep drum tightly sealed prior to use.

OTHER PRECAUTIONS:

Wet activated carbon depletes oxygen from the air creating a severe hazard to workers in enclosed or confined areas.

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