

# Material Safety Data Sheet



CALGON CARBON CORPORATION

**Date:** 08/24/2007

**Product:** 19551030 - F200-AWD

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer:** Calgon Carbon Corporation

P.O. Box 717

Pittsburgh, PA 15230-0717

**Emergency Phone Number:** (412) 787-6700

**Date Prepared:** 6/24/2002

**Prepared By:** S. Liller

**Chemical Name and Synonyms:** Carbon

**Formula:** C

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Nonhazardous components are listed at 3% or greater; acute hazards are listed when present at 1% or greater and chronic hazards are listed when present at 0.01% or greater. This is not intended to be a complete compositional disclosure.

<u>INGREDIENT</u>	<u>% (BY WEIGHT)</u>	<u>CAS#</u>
CARBON	100	7440-44-0

## SECTION III - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Black particulate solid, pellet or powder. Contact may cause eye irritation. Dust may be slightly irritating to eyes and respiratory tract.

**CAUTION!!** Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state and federal regulations.

### **POTENTIAL HEALTH EFFECTS:**

**Effects and Hazards of Eye Contact:** The physical nature of the product may produce eye irritation.

**Effects and Hazards of Skin Contact:** The product is not a primary skin irritant. The primary skin irritation index (Rabbit) is 0.

**Effects and Hazards of Inhalation (Breathing):** The product is practically non-toxic through inhalation. The acute inhalation LC<sub>50</sub> (Rat) is >64.4 mg/l (nominal concentration) for activated carbon.

**Effects and Hazards of Ingestion (Swallowing):** The product is non-toxic through ingestion. The acute oral LD<sub>50</sub> (RAT) is >10g/kg.

**Primary Routes of Entry:** Inhalation, ingestion, skin contact, eye contact.

**Chronic Effects:** The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

**CARCINOGENICITY:** NTP: N/A IARC: N/A OSHA REGULATED: NO

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## SECTION IV - FIRST AID MEASURES

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**Treatment for Eye Contact:** Flush with plenty of water for at least 15 minutes.

**Treatment for Skin Contact:** Wash with soap and water.

**Treatment for Inhalation (Breathing):** N/A

**Treatment for Ingestion (Swallowing):** N/A

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## SECTION V - FIRE FIGHTING MEASURES

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**Flash Point:** N/A

**Limits Lel:** N/A

**Uel:** N/A

**Extinguishing Media:** FLOOD WITH PLENTY OF WATER.

**Special Firefighting Procedures:** NONE

**Unusual Fire and Explosion Hazards:** Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc., may result in fire.

**NFPA RATING:** HEALTH = 0 REACTIVITY = 0 FLAMMABILITY = 1

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

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**Steps to be Taken in Case Material is Released or Spilled:** Sweep up unused carbon and discard in refuse container or repackage.

**Waste Disposal Method:** Dispose of unused carbon in refuse container. Dispose of in accordance with local, state, and federal regulations.

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## SECTION VII - HANDLING AND STORAGE

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**Precautions for Handling and Storage:** CAUTION!! Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal or national regulations.

**Other Precautions:** Wash thoroughly after handling. Exercise caution in the storage and handling of all chemical substances.

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## SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Exposure Guidelines:

**OSHA PEL\*** 5 mg/M<sup>3</sup> (Respirable)

**ACGIH TLV\*** 10 mg/M<sup>3</sup> (Total)

\*PELs and TLVs are 8-hour TWAs unless otherwise noted.

**Respiratory Protection:** A NIOSH approved particulate filter respirator is recommended if excessive dust is generated.

**Ventilation:** Local Exhaust Ventilation: Recommended

**Mechanical Ventilation:** Recommended

**Protective Gloves:** Recommended

**Eye Protection:** Safety Glasses or Goggles Recommended

**Other Protective Equipment:** Not Required

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## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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**Boiling Point:** N/A

**Specific Gravity:** 2.3 g/cc real density

**Vapor Pressure:** N/A

**Melting Point:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Solubility in Water:** NEGLIGIBLE

**Packing Density:** 0.4 to 0.7 g/cc

**Appearance and Odor:** Black particulate solid, pellet, or powder

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## SECTION X - STABILITY AND REACTIVITY

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**Stability:** STABLE

**Conditions to avoid:** NONE

**Incompatibility (Materials to avoid):** Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.

**Hazardous Decomposition Products:** Carbon monoxide may be generated in the event of a fire.

**Polymerizing Conditions to Avoid:** NONE

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## SECTION XI - TOXICOLOGICAL INFORMATION

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See HEALTH EFFECTS SECTION III

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## SECTION XII - ECOLOGICAL INFORMATION

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Not determined

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## SECTION XIII - DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dispose of unused carbon in refuse container. Dispose of in accordance with local, state, and federal or national regulations.

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## SECTION XIV - TRANSPORT INFORMATION

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**Proper Shipping Name:** NOT REGULATED

**Hazard Class:** N/A

**Identification Number:** N/A

**Packing Group:** N/A

This product has been tested according to the United Nations *Transport of Dangerous Goods* test protocol for spontaneously combustible materials. It has been specifically determined that this product does not meet the definition of a self heating substance or any hazard class, and therefore is not a hazardous material and not regulated.

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## SECTION XV - REGULATORY INFORMATION

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**SARA TITLE III:** N/A

**TSCA:** The ingredients of this product are on the TSCA Inventory List.

**OSHA:** Nonhazardous according to definitions of health hazard and physical hazard provided in the Hazard Communication Standard (29 CFR 1910.1200)

**CANADA**

**WHMIS CLASSIFICATION:** Not Classified

**DSL#:** 6798

EEC Council Directives relating to the classification, packaging and labeling of dangerous substances and preparations.

**Risk (R) and Safety (S) phrases:** May be irritating to eyes (R36).

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## SECTION XVI - OTHER INFORMATION

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**Intended Use:** Generally used for treatment of liquids and gases.

While this information and recommendations set forth herein are believed to be accurate as of the date hereof, CALGON CARBON CORPORATION MAKES NO WARRANTY WITH RESPECT AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

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\*\*\* END OF MATERIAL SAFETY DATA SHEET \*\*\*

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