

MATERIAL SAFETY DATA SHEET

DATE August 1985

PRODUCT NAME **BPL
ACTIVATED CARBON**



| SECTION I | |
|--|---|
| MANUFACTURER'S NAME Calgon Carbon Corporation | EMERGENCY TELEPHONE NO. 412-787-6700 |
| ADDRESS P.O. Box 717 Pittsburgh, PA 15230-0717 | |
| CHEMICAL NAME AND SYNONYMS Carbon | FORMULA C |

SECTION II HAZARDOUS INGREDIENTS

| PRINCIPAL HAZARDOUS COMPONENT (S) | CAS # | % BY WEIGHT | ORAL LD ₅₀ | DERMAL LD ₅₀ | TLV (Units) | | |
|-------------------------------------|------------------|-------------|------------------------------|-------------------------|-------------|------------|------------|
| | | | | | ACGIH | OSHA | OTHER |
| Chemical Name Carbon | 7440-44-0 | 100% | >10g/Kg* (rat) | -- | N/A | N/A | N/A |
| Common Name Activated Carbon | | | | | | | |
| Chemical Name | | | | | | | |
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| Common Name | | | | | | | |
| Chemical Name | | | | | | | |
| Common Name | | | | | | | |

*No animal mortalities during course of 14-day study.

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.

This product is non-hazardous according to the definitions for "health hazard" and "physical hazard" provided in the OSHA Hazard Communication Law (29 CFR part 1910).

SECTION III PHYSICAL DATA

| | | | |
|------------------------|-----------|---------------------------------------|----------------------|
| BOILING POINT (°F) | N/A | SPECIFIC GRAVITY (H ₂ O=1) | 2.3g/cc real density |
| VAPOR PRESSURE (mmHg.) | N/A | PERCENT VOLATILE BY VOLUME (%) | N/A |
| VAPOR DENSITY (AIR=1) | N/A | pH | N/A |
| SOLUBILITY IN WATER | insoluble | OTHER packing density | 0.4 to 0.7g/cc |

APPEARANCE AND ODOR **black particulate solid**

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 HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) N/A

EXTINGUISHING MEDIA If involved in fire, flood with plenty of water.

SPECIAL FIRE FIGHTING PROCEDURES None

UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in fire.

SECTION V HEALTH HAZARD DATA

EFFECT OF OVEREXPOSURE

A. ACUTE

1. INGESTION

The product is non-toxic through ingestion. The acute oral LD₅₀ (rat) is >10g/Kg.

2. INHALATION

The acute inhalation LC₅₀ (rat) is >64.4 mg/l (nominal concentration) for activated carbon.

3. DERMAL EXPOSURE

a. TOXIC

Non-toxic

b. IRRITATION

The product is not a primary skin irritant. The primary skin irritation index (rabbit) is 0.

c. SENSITIZATION

None

4. EYE IRRITATION

The physical nature of the product may produce eye irritation.

B. SUBCHRONIC, CHRONIC, OTHER

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.

FIRST AID

A. EYE

Flush with plenty of water for at least 15 minutes.

B. SKIN

Wash with soap and water.

C. INGESTION

D. INHALATION

SECTION VI REACTIVITY DATA

| | | | |
|--|--|---------------------------------------|-------------------------------|
| STABILITY | <input type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | <input checked="" type="checkbox"/> X | CONDITIONS TO AVOID None |
| (Instability Conditions to Avoid) Strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide may be generated in the event of fire. | | | |

SECTION VII SPILL OR LEAK PROCEDURES

| | |
|---|--|
| REPORTABLE QUANTITIES (RQ) IN LBS OF EPA HAZARDOUS SUBSTANCES IN PRODUCT | NOTIFY EPA OF PRODUCT SPILLS EQUAL TO OR EXCEEDING |
| 1. _____ N/A _____ 2. _____ _____ 3. _____ _____ | _____ N/A LBS. |
| 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. | |

SECTION VIII HANDLING & STORAGE

| | | |
|---|---|-------|
| PROTECTIVE GLOVES Rubber gloves recommended | EYE PROTECTION Safety glasses or goggles recommended | |
| OTHER PROTECTIVE CLOTHING Not required | | |
| RESPIRATORY PROTECTION A NIOSH approved particulate filter respirator is recommended if excessive dust is generated. | | |
| VENTILATION | LOCAL EXHAUST Recommended | OTHER |
| | MECHANICAL (General) Recommended | |
| STORAGE & HANDLING | | |

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| | |
|-------------------|--|
| OTHER PRECAUTIONS | Wash thoroughly after handling. Exercise caution in the storage and handling of all chemical substances. |
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