**MATERIAL SAFETY DATA SHEET**

**PRODUCT**

Twin 2AC Filter Cartridges

**NFPA HAZARD RATINGS***

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Slight health hazard</td>
<td></td>
</tr>
<tr>
<td>Fire</td>
<td>1</td>
</tr>
<tr>
<td>Slightly combustible</td>
<td></td>
</tr>
<tr>
<td>Stability</td>
<td>0</td>
</tr>
<tr>
<td>Stable</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 1: PRODUCT INFORMATION**

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300

EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)

Intended Product Use: Aids in removal of impurities

Synonyms: All carbon baby jumbo cartridge filters

**SECTION 2: HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS #</th>
<th>Recommended Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activated carbon</td>
<td>100</td>
<td>7440-44-0</td>
<td>Total Dust: 2.1 mg/m³</td>
</tr>
<tr>
<td>%</td>
<td>Respirable Fraction: 0.7 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 3: PHYSICAL DATA**

- **Appearance:** Black pellets
- **Odor:** Odorless
- **Boiling Point:** None
- **Solubility in Water:** Insoluble
- **Vapor Pressure (mm Hg):** No data
- **Vapor Density:** No data
- **Specific Gravity (20°C):** 1.8-2.1
- **pH:** 5-10

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

- **Flash Point (Method)(°F):** None
- **Extinguishing Media:** Water fog, foam, carbon dioxide, dry chemicals
- **Self-contained breathing apparatus in confined areas**
- **Special Fire Fighting Procedures:** Airborne dust is a weak explosion hazard
- **Unusual Fire and Explosion Hazards:** None
- **Upper Flammable Limit:** No data
- **Lower Flammable Limit:** No data

**SECTION 5: REACTIVITY DATA**

- **Stability:** Stable
- **Conditions to Avoid:** None
- **Incompatibility (materials to avoid):** Strong oxidizing materials
- **Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide under fire conditions.
- **Hazardous Polymerization:** Will not occur.

**SECTION 6: HEALTH HAZARD DATA**

- **Toxicity (Estimated):** Nontoxic
- **Effects of Overexposure:**
  - Acute: Inhalation causes irritation.
  - Chronic: None listed
- **Carcinogenicity:** None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.

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*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.
SECTION 7: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

Respiratory Protection: When cleaning up large spills in confined areas, self-contained breathing apparatus is recommended.

Ventilation: Normal industrial ventilation is adequate.

Protective Gloves: Ordinarily not needed. Use plastic or rubber gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING: Keep in dry place away from moisture.

SPILL OR LEAK PROCEDURES: Sweep or vacuum up materials.


WARNING: spent material may have absorbed hazardous material.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION: An oxygen deficiency may be caused in an enclosed space when activated carbon is exposed to moisture.

FIRST AID: Flush eyes for 15 minutes with water. Wash off of skin with soap and water.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

This product is intended for professional use only by trained personnel.

SECTION 8: FIRST AID

Inhalation: Remove to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: Seek medical attention if gastrointestinal symptoms develop.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does not contain any components which are under the reporting requirements of SARA Title III, Section 313.

SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

Prepared by: Julie D. Hirner

Date: April 22, 2010

Replaces MSDS of: August 26, 2008