Section 1. Identification

Product identifier: Activated Carbon
Other means of identification: 4CD597
Product Description: Activated Carbon
Recommended use: Use in accordance with manufacturer recommendations
Recommended restrictions: None known.

Supplier
Company name: Hydro Engineering, Inc.
Address: 865 W 2600 S
Salt Lake City, UT 84119
Telephone: 800-247-8424
Website: http://www.hydroblaster.com
Emergency phone number: Chemtrec Within US & Canada: 800-424-9300

Section 2. Hazard(s) identification

Hazard Classification
Eye Irritation: 2B H320
Respiratory Irritation: 3 H335

Signal Word: Irritant
Hazard Statement: Contact may cause eye irritation: Dust may cause respiratory irritation.

Hazard Pictogram

Precautionary statements

<table>
<thead>
<tr>
<th>Code</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>P264</td>
<td>Wash thoroughly after handling.</td>
</tr>
<tr>
<td>P271</td>
<td>Use only outdoors or in a well-ventilated area.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protections/face protection</td>
</tr>
<tr>
<td>P304/P340</td>
<td>If inhaled/Remove to fresh air</td>
</tr>
<tr>
<td>P305/P351/P338</td>
<td>If in eyes/rinse cautiously with water/ remove contact lenses if easy/continue rinsing</td>
</tr>
<tr>
<td>P337/P313</td>
<td>If eye irritation persists: get medical attention</td>
</tr>
<tr>
<td>P403/P233</td>
<td>Store in well ventilated place. Keep container tightly closed</td>
</tr>
<tr>
<td>P405</td>
<td>Store locked up</td>
</tr>
<tr>
<td>P501</td>
<td>Dispose container to appropriate receptacle</td>
</tr>
</tbody>
</table>

Other Hazards: No additional information. Acute
Toxicity: No data available.

Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
<th>Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>7440-44-0</td>
<td>100</td>
<td>None</td>
</tr>
</tbody>
</table>
Section 4. First-aid measures

<table>
<thead>
<tr>
<th>Rout(s) of Exposure</th>
<th>Symptoms</th>
<th>First Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Dust may cause mild respiratory irritation</td>
<td>Remove to fresh air. Seek medical attention if irritation persists</td>
</tr>
<tr>
<td>Skin</td>
<td>Dust may cause mild irritation/reddening</td>
<td>Wash with soap &amp; water; seek medical attention if irritation persists.</td>
</tr>
<tr>
<td>Eye</td>
<td>Dust may cause eye irritation and redness.</td>
<td>Flush with lukewarm water for at least 15 minutes. If irritation persists seek medical attention.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause digestive track irritation.</td>
<td>Drink plenty of water and seek medical attention.</td>
</tr>
</tbody>
</table>

Section 5. Fire-fighting measures

Suitable extinguishing media: Flood with plenty of water, use media suitable for surrounding the fire.

Unsuitable Media: None known.

Unusual fire & explosion hazards: Contact with strong oxidizers may cause rapid combustion.

Special firefighting procedures: Exercise caution when responding to any chemical fire. Firefighters should wear full protective gear.

Section 6. Accidental release measures

Personal Precautions: Wear protective equipment, keep unnecessary personnel away.

General precautions: Avoid contact with skin and eyes.

Environmental Precautions: None

Containment & Clean Up: Sweep up and discard in protected refuse container.

Other Information: Not applicable

Section 7. Handling and storage

Safe Handling: Avoid prolonged contact with eyes and skin. Use in well ventilated areas.

Safe Storage: Store in a cool, dry and well ventilated area. Protect containers from physical damage. Keep away from oxidizers, heat and flame.

Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH-TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activated Carbon</td>
<td>Not Available</td>
<td>Not Available</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Guidelines: Local exhaust and general ventilation to meet exposure standards. Wet activated carbon depletes oxygen from the air creating a severe hazard to workers in enclosed or confined spaces. Sampling and work procedures for low oxygen levels should be taken whenever workers entering carbon vessels, enclosed or confined spaces. If risk of overexposure exists, wear and approved respirator.

Personal Protective Equipment: Use NIOSH approved respirator if dust generated exceeds exposure limits. Gloves, safety glasses, work clothes as determined appropriate.

General Hygiene: Keep away from food and beverages, remove contaminated clothing: wash hands before eating.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid</th>
<th>Boiling point</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Granular/powder</td>
<td>Flash Point</td>
<td>NA</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
<td>Evaporation Rate</td>
<td>NA</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td>Flammability (solid/gas)</td>
<td>C</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>None</td>
<td>UEL</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0</td>
<td>LEL</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
<td>Vapor Density</td>
<td>Solid</td>
</tr>
<tr>
<td>Relative Density</td>
<td>28 – 33 lbs/cubic ft</td>
<td>Partition Coefficient:</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point</td>
<td>NA</td>
<td>Auto ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>NA</td>
<td>Decomposition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility</td>
<td>None</td>
<td>Viscosity</td>
<td>NA</td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

Incompatibility: Strong oxidizers such as ozone or liquid oxygen, and chlorine.
Chemical Stability: Stable.
Conditions to Avoid: None.
Materials to Avoid: Strong oxidizers such as ozone or liquid oxygen, and chlorine.
Hazardous Decomposition Products: Carbon Monoxide and carbon dioxide may be generated during combustion.

Section 11. Toxicological information

Acute Effects
- Oral LD50: Not Determined
- Dermal LD 50: Not Determined
- Inhalation: See Section IV
- Ingestion: See Section IV Eye
- Irritation: See Section IV Skin
- Sensitization: Not Determined
- Signs and Symptoms of Exposure: Irritation and redness of eyes and skin. Dust may cause respiratory irritation.

Chronic Effects
- Carcinogenicity: Not Determined
- Mutagenicity: Not Determined
- Reproduction Effects: Not Determined
- Developmental Factors: Not Determined

Section 12. Ecological information

Ecotoxicity: Not Determined
Persistence/Degradability: Not Determined
Bioaccumulation Potential: Not Determined
Mobility in Soil: Not Determined
Other Adverse Effects: Not Determined

Section 13. Disposal considerations

Vacuum or shovel material in a closed container. Dispose of in accordance with all applicable local, state and federal and international regulations.

Section 14. Transport information

UN Number: Not applicable
UN Name: Not applicable
Ship in accordance with: DOT/ADR/RID/ADNR/IMDP/ICAO/IATA

Section 15. Regulatory information

- SARA Title III 302: Product not listed
- SARA Title III 313: Product not listed
- TSCA: Product is listed
- Canadian – WHMIS: Product is listed
- DSL #: Product is listed

Section 16. Other information, including date of preparation or last revision

Issue date: 11-November-16
Revision date: 12-October-2018

Disclaimer:
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