QUICK FACTS

Product: Activated Carbon Materials
Stock No: NS6130-05-526
CAS: 7440-44-0
Color: Black
Form: Powder

Activated carbon is derived from charcoal and it's also called as activated charcoal. Carbon black is available in the form of colloidal particles and also it is also an elemental carbon with chemical formula C. It is produced by the incomplete combustion process or the thermal combustion of liquid or gaseous hydrocarbons and this process occurs under the controlled conditions. This compound is also utilized as an antistatic additive agent in pipes and automobile fuel caps.

It has one major industry application includes use in metal finishing for purification of electroplating solutions. It is utilized to treat overdosing and poisonings in oral ingestion. Activated carbon (charcoal) is an allowed substance employed by organic farmers in both wine making and livestock production. In livestock production, it is utilized as a pesticide, nonagricultural ingredient, animal feed additive, processing aid, and disinfectant. It can be utilized to filter whisky and vodka of organic impurities which can affect color, taste, and odor.

APPLICATIONS
- Methane and hydrogen storage
- Air purification
- Decaffeination
- Gold purification
- Metal extraction
- Water purification
- Medicine
- Sewage treatment
- Air filters in gas masks and respirators

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Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-05-526</td>
<td>99%</td>
<td>40-50μm</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>12.01 g/mol</td>
<td>3654 °C</td>
<td>4827 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Symbol: C
- CAS No.: 7440-44-0

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Other Metal</td>
</tr>
<tr>
<td>Activated Carbon Materials</td>
<td>99 %</td>
</tr>
<tr>
<td></td>
<td>8000ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- Product: Activated Carbon Materials
- Distribution: Global
- Stock Availability: Available
- Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- Store in the original container in a dry location.
- Tumble contents prior to use to prevent segregation.
- Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-05-526
SDS are available from the Nanoshel Website at https://www.nanoshel.com/product/activated-carbon-materials

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