Copper powder is available in a reddish color and it exhibits a face-centered cubic crystalline structure. It reflects red and orange light however it absorbs other frequencies in the visible spectrum, because of its band structure, so it as a nice reddish color. It is malleable and ductile it is an extremely good conductor of both heat and electricity. Most copper is utilized for electrical equipment, construction, for instance, roofing and plumbing; industrial machinery, for example, heat exchangers and alloys. Copper is oftentimes employed in the production of electrical conductors, transformers, switches, and telecommunications due to its ductility and electrical and thermal conductivity. Copper offers designers a wealth of mechanical and aesthetic qualities that have made it a mainstay of interior design and creative innovation for centuries.
Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-12-000941</td>
<td>99.9%</td>
<td>40-50μm</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>Density</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu</td>
<td>63.55 g/mol</td>
<td>8.9 g/cm³</td>
<td>1083 °C</td>
<td>2567 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Formula: Cu
- CAS No.: 7440-50-8

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro Electronic Copper Powder</td>
<td>99.9 %</td>
</tr>
<tr>
<td></td>
<td>850ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- Product: Hydro Electronic Copper Powder
- Distribution: Global
- Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders
- Stock Availability: Available

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 NS6130-12-000941 are available from the Nanoshel Website at https://www.nanoshel.com/product/hydro-electronic-copper-powder

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GMP CERTIFIED GOOD MANUFACTURING PRACTICE