CHROMIUM POWDER

QUICK FACTS

Product: Chromium Powder
Stock No: NS6130-05-567
CAS: 7440-47-3
Color: Silver
Form: Powder

Chromium is a lithophile metallic element forming several minerals, involving chromite FeCr2O4 and the rare crocoite PbCrO4. Chromium is present as an accessory element in some others, such as spinel, amphibole, mica, pyroxene and garnet. Chromium is a low mobility element. Cr behavior is controlled by pH and organic matter in the soil. Chromium adsorption by clay is also highly dependent on pH. Chromium is critical in the fabrication of stainless steel. Chromium is a lustrous, steely-gray, hard metal that takes a high polish. It is a silvery white, hard, and bright metal plating on steel and other material. It also has high melting point and commonly known as chrome. It is one of the most important and indispensable industrial metals because of its hardness and resistance to corrosion. But it is employed for more than the production of stainless steel and nonferrous alloys; it is also utilized to make pigments and chemicals applied to process leather. Most stainless steel comprises of chromium; it is what hardens and toughens steel and increases its resistance to corrosion, especially at high temperatures.

APPLICATIONS

✓ production of stainless steel and nonferrous alloys
✓ catalyst
✓ cars
✓ pigments
✓ beauty products

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9779238252
**Additional Powder Characteristics**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-05-567</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>Density</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cr</td>
<td>52.00 g/mol</td>
<td>7.14 g/cm³</td>
<td>1857 °C</td>
<td>2672 °C</td>
</tr>
</tbody>
</table>

**Properties**

- Chemical Symbol: Cr
- CAS No.: 7440-47-3

**Chemical Composition**

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium Powder</td>
<td>99 %</td>
</tr>
</tbody>
</table>

**Ordering Information and Stock Availability**

- Product: Chromium Powder
- 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 NS6130-05-567 are available from the Nanoshel Website at https://www.nanoshel.com/product/chromium-powder

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