Molybdenum trioxide is a chemical compound with the formula of MoO₃ and it is an intermediate in the fabrication of molybdenum metal and it is also an indispensable industrial catalyst. Molybdenum trioxide occurs as the rare mineral molybdate and it is employed to manufacture molybdenum metal, which serves as an additive to steel and corrosion-resistant alloys. Molybdenum is a remarkable catalyst in the refining of petroleum. It acts as a filament material in electronic and electrical applications. Molybdenum is a crucial trace element in plant nutrition. It is also a component of the co-catalyst utilized in the industrial production of acrylonitrile by the oxidation of propene and ammonia. Because of its layered structure and MoO₃ is of interest in electrochemical devices and displays. Molybdenum trioxide has also been considered as a potential anti-microbial agent, for instance in polymers. In contact with water, it forms H⁺ ions that can kill bacteria effectively.

Applications:

- Steel And Corrosion-resistant Alloys
- Electrochemical Devices and Displays
- Circuit Inks For Circuit Boards

CALL NOW
+91 9779550077
9779238252
Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-05-531</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>Solubility</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>MoO₃</td>
<td>143.95 g/mol</td>
<td>0.1066 g/100 ml</td>
<td>795 °C</td>
<td>1155 °C</td>
</tr>
</tbody>
</table>

Properties

- ✔ Chemical Formula: MoO₃
- ✔ CAS No.: 1313-27-5

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MoO₃</td>
<td>Other Metal</td>
</tr>
<tr>
<td>Molybdenum Trioxide Powder</td>
<td>99%</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- ✔ Product: Molybdenum Trioxide 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 NS6130-05-531
SDS are available from the Nanoshel Website at
https://www.nanoshel.com/product/molybdenum-trioxide-powder

www.nanoshel.com | sales@nanoshel.com
Tel: +91 9779550077.9779238252

Make your innovations better with NANOSHEL