**E-315**

**Lead Oxide on Alumina Spheres**

BASF Adsorbent E-315 is formulated on a proprietary spherical alumina support to remove arsine and sulfur compounds from hydrocarbon streams.

BASF Adsorbent E-315 is a versatile material based on lead oxide and designed for the removal of trace levels of arsine and sulfur from gaseous and liquid petrochemical feedstocks and process streams.

E-315 is applicable for the purification of hydrogen-rich gases (e.g. cracked gases), where other metal oxides cannot be used due to their reactivity toward the hydrogen content in the gas stream.

Because E-315 does not promote polymer formation, it is especially suitable for streams containing acetylenes or dienes, which have a tendency to foul other types of guard bed materials. E-315 is excellent e.g. for C2 and C3 guard beds in steam crackers.

The nominal sphere size is 1/8”.

**Operating Temperature**

Process and composition dependent: typically ambient to 100 °C (212 °F).

The catalyst itself is stable at temperatures up to 350°C (660°F).

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk Density, g/cc</td>
<td>0.96</td>
</tr>
<tr>
<td>Crush Strength, lbs</td>
<td>10 min</td>
</tr>
<tr>
<td>Size, US 5x8 mesh</td>
<td>90 min</td>
</tr>
</tbody>
</table>

**Chemical Analysis**

<table>
<thead>
<tr>
<th>Element</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pb, wt %</td>
<td>18-21</td>
</tr>
</tbody>
</table>

**Packaging**

- 55 gallon steel drums

**Weight**

- 350 lbs net per drum

**Shipping Point**

- Erie, Pennsylvania, USA

Other containers and shipping points may be available upon request.
About BASF

BASF Catalysts is the Global Leader in Catalysis, and is part of BASF – The Chemical Company. By leveraging our industry-leading R&D platforms, BASF’s global research infrastructure and our passionate pursuit of innovation, we develop unique, proprietary technologies that drive customer success. Our catalytic solutions cover a wide range from chemical and refinery processes, to adsorbents and emissions control. In addition, we offer broad experience in trading base and precious metals.

BASF - The Chemical Company