H0-41 S3

BASF Catalyst

Application

BASF Catalyst H0-41 S3 was developed for the liquid phase selective hydrogenation of acetylenes and butadiene in C4 cuts, e.g. BASF’s SELOP® C4 process. The catalyst shows very low over-hydrogenation. It can be applied for butene production from feed streams containing butadiene. With H0-41 S3, it is possible to change the butene-2/butene-1 ratio in a broad range.

Packing and Storage

BASF H0-41 S3 is delivered in steel drums. The net weight is 120 kg per drum.

This method of packing allows both safe overseas shipping and storage provided the atmosphere is dry and free from corrosive contaminants. Preferably, the drums are stored in a warehouse.

Shipping Point

- Ludwigshafen, Germany

### Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>0.3 wt.% Palladium as active component on a proprietary Al₂O₃ carrier</td>
</tr>
<tr>
<td>Shape</td>
<td>Extrudates; 3 mm diameter</td>
</tr>
<tr>
<td>Surface Area</td>
<td>60 – 90 m²/g</td>
</tr>
<tr>
<td>PABD</td>
<td>700 kg/m³</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>20-200°C (70-390°F)</td>
</tr>
<tr>
<td>Thermal Stability</td>
<td>Up to approx. 500°C (840°F)</td>
</tr>
<tr>
<td>Lifetime</td>
<td>Periodic regeneration with steam-air can result in lifetimes well beyond five years</td>
</tr>
</tbody>
</table>
About Us

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF’s Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry