Sulfuric Acid Catalyst
O4-111 SS11x4 / SR10x5 / Quattro

Application
For the catalytic oxidation of SO₂ in the production of sulfuric acid. Preferably installed in the second, third and fourth bed.

Composition
Vanadium pentoxide and alkali sulphates on porous silica carrier with special promoters.

Form
Star Rings of 11x4 mm ODxID (SS11x4)
Extrudate Rings of 10x5 mm ODxID (SR10x5)
Extrudate Quattro of 13x3.2 mm ODxID

Ignition temperature (theoretical)
min. 360°C (min. 662°F) (depending on gas composition)

Operating temperature
SS and SR shape
410-600°C (770-1110°F) (depending on gas composition)

Quattro shape
400-600°C (752-1120°F) (depending on gas composition)

Thermal stability
Stable at continuous operation up to 600°C (1110°F) (short term peak conditions up to 630°C / 1156°F)

Packaging
Non-returnable containers
- 200 l corrugated steel drum
- 1000 l bulk bag

Thermal stability
<table>
<thead>
<tr>
<th>Property</th>
<th>SS11x4</th>
<th>Quattro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk density</td>
<td>0.45 (approx. kg/l)</td>
<td>0.45 (approx. kg/l)</td>
</tr>
<tr>
<td>Knife Edge</td>
<td>7.0 (min. kg)</td>
<td>10.0 (min. kg)</td>
</tr>
<tr>
<td>Hardness</td>
<td>15.0 (min. lb)</td>
<td>22.1 (min. lb)</td>
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</tbody>
</table>

Storage
Catalyst should be stored in its original container in a covered and dry area, protected from access by humidity and moisture.

Safety Data Sheets (SDS)
A safety data sheet covering the necessary information is available on request.
About Us

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