**PuriStar® R3-15 T5x3**

CuO/ZnO Tablets

BASF PuriStar® R3-15 is designed for the removal of Oxygen from different streams.

BASF PuriStar® R3-15 is offered as tablet with a nominal diameter to height ratio of 5 x 3 mm (3/16 x 1/8”).

**Product Applications**

PuriStar® R3-15 is designed for the adsorptive removal of oxygen from industrial gases such as nitrogen, noble gases (e.g. He, Ar, Kr, Xe), carbon oxides, hydrogen, synthesis gases and other gas streams. R3-15 can also be used for the removal of oxygen from hydrocarbon streams like ethylene. Prior to operation as an oxygen scavenger, R3-15 needs to be reduced according standard procedures. Please contact BASF for further details.

R3-15 can also be used for converting CO and H₂ to CO₂ and H₂O in ethylene containing streams. This allows to achieve very low levels of the respective impurities. At the end of a cycle, R3-15 needs to be reoxidzed. Please contact BASF for further details.

In addition, R3-15 effectively removes traces of hydrogen sulfide (H₂S), carbonyl sulfide (COS), arsine (AsH₃), phophshine (PH₃) and other sulfur compounds from various process streams.

Process dependent, PuriStar® R3-15 can be used up to temperatures of around 230° C (450° F).

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**Typical Properties**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main Components</strong></td>
<td>Crush Strength</td>
</tr>
<tr>
<td>CuO, ZnO</td>
<td>Approx. 55N, side wall</td>
</tr>
<tr>
<td><strong>Balance</strong></td>
<td>~ 1300 kg/m³ (81 lbs/ft³), tapped</td>
</tr>
<tr>
<td>Alumina and Promoters</td>
<td>Bulk Density</td>
</tr>
<tr>
<td></td>
<td>~ 1200 kg/m³ (75 lbs/ft³) sock</td>
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</tbody>
</table>

**Packaging**

- 980 kg net (2160.2 lbs) in 1150 liter supersacks (flexible IBC)
- 140 kg net (308.6 lbs) in 120 liter steel drums

**Shipping Point**

- Ludwigshafen, Germany
- Shanghai, P.R. China (starting 2018)
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