

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

Bulk Density, g/cc	0.96
Crush Strength, lbs	10 min
Size, US 5x8 mesh	90 min

Chemical Analysis

Pb, wt %	18-21
----------	-------

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

BASF Catalyst Headquarters

BASF Catalysts LLC
25 Middlesex/Essex Turnpike
Iselin, New Jersey, 08830, USA
Tel: +1-732-205-5000
Fax: +1-732-205-7725
Email: catalysts-americas@basf.com

Asia Pacific

BASF East Asia Regional HQ Ltd.
45th Floor, Jardine House
No. 1 Connaught Place
Central, Hong Kong
Tel: +852-2731-0191
Fax: +852-2731-5634
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF SE
67056 Ludwigshafen, Germany
Tel: +49-621-60-21153
Fax: +49-621-60-43023
Email: catalysts-europe@basf.com

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2009 BASF Catalysts