

E 315

Lead Oxide on Alumina Spheres

BASF Adsorbent E 315 is a spherical adsorbent for removing arsine and sulfur compounds from hydrocarbon streams in the presence of hydrogen or multiple unsaturated components.

BASF E 315 is produced as lead oxide on a proprietary spherical alumina carrier with a nominal diameter of 1/8" (approx. 3.2 mm). It is 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.

Operating Temperature

Process and composition dependent: typically ambient to 60-80 °C (140-175 °F). The catalyst itself is stable at temperatures up to 350°C (660°F).

Typical Properties

Bulk Density, g/cc	0,96
Crush Strengh, lbs	10 min

Chemical Analysis

Pb, wt %	18-21
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Packaging

- 55 gallon steel drums

Weight

- 350 lbs net per drum

Shipping Point

- Erie, Pennsylvania, USA

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

Americas

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

Asia Pacific

BASF (China) Company Limited
300 Jiang Xin Sha Road,
Pudong, Shanghai 200137
P.R. China
Tel: +86-21-2039 2549
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF De Meern BV Catalysts
The Netherlands
Tel: +31-30-666 9437
Email: catalysts-europe@basf.com

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