

# Durasorb™ HG

**BASF Durasorb™ is a family of products developed in combination with proprietary design software to complement each other for the purification of Natural Gas streams. Durasorb™ HG is a high-performance mercury removal adsorbent for natural gas processing applications.**

### Product application

Durasorb™ HG removes mercury in natural gas streams, protecting downstream piping and machinery and providing a natural gas stream that complies with environmental regulations. Durasorb™ HG is suitable for projects requiring cryogenic specifications and pipeline specifications.

### Physical characteristics

Durasorb HG is a non-regenerable, mixed metal oxide mercury removal adsorbent containing a dispersed and promoted copper sulfide phase. The active component and proprietary promoters are dispersed over a high surface area alumina support. Durasorb™ HG is a mechanically robust adsorbent that can withstand occasional liquid water and hydrocarbon carry-over. Durasorb™ HG is designed to operate in the toughest conditions while still maintaining material integrity.

### Product features

- Robust material designed to operate in wet conditions
- High mercury capacity, superior penetration
- Fast kinetics, with optimized mass transfer zone
- High crush strength and attrition resistance

### Physical Properties

<b>Particle size</b>	Spheres, nominal 1/8" dia.
<b>Surface Area (BET, m<sup>2</sup>/g)</b>	>200
<b>Pore Volume (ml/g)</b>	0.35
<b>Bulk Density, sulfided (kg/m<sup>3</sup>)</b>	750-800
<b>Crush Strength (N)</b>	>15

These indicative properties do not represent process capabilities nor specifications.

### Products offered

- Durasorb HG\* (unsulfided material)
  - 907 kg big bag
- Durasorb HGS (sulfided material)
  - 130 kg steel drum

\*requires feeds containing H<sub>2</sub>S to activate in situ.

## 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](mailto: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](mailto: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](mailto: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. © 2015 BASF

BASF- 10597 Rev. 10/20