

# Selexsorb<sup>®</sup> HG

## Pelletized adsorbent for the removal of mercury from dry gas

**BASF Selexsorb<sup>®</sup> HG is a promoted and steam activated carbon that provides optimal removal of mercury (Hg) from various gas streams.**

This product is available in pellets with a diameter of 4 mm (4x6 mesh).

### Applications

**1.** BASF Selexsorb HG is designed to remove mercury vapor from natural gas, air, hydrogen and other gas streams. Selexsorb HG has proven its capacity for mercury and its ability to achieve less than 0.1 ppb(v) mercury vapor effluent concentrations in mercury cell type plants and natural gas processing plants.

**2.** In liquefied natural gas processing plants, Selexsorb HG protects aluminum heat exchangers from corrosion.

**3.** Selexsorb HG is appropriate for removal of trace mercury from vapor phase hydrocarbon (saturated and unsaturated) streams in petrochemical production processes.

Selexsorb HG is used only in dry streams as free water or humidity will interfere with the adsorption of Hg.

### Packaging

- 500kg FIBC (flexible intermediate bulk container)

Typical Physical Properties	
Surface Area, Base Carbon, N <sub>2</sub> BET (ASTM D-2854), m <sup>2</sup> /g	1000
Hardness – Base Carbon (ASTM D-3802), %	95
Moisture Content (ASTM D-2867), wt %	3
Packed Bulk Density, lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	34 (550)

The typical physical properties are indicated for reference only and do not represent any specification of the product.

### Caution:

Oxygen is removed from air by wet activated carbon. Asphyxiation hazard exists inside vessels.

## 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 SE  
67056 Ludwigshafen, Germany  
Tel: +49-621-60-21153  
Fax: +49-621-60-43023  
Email: [catalysts-europe@basf.com](mailto:catalysts-europe@basf.com)

*Selexsorb is a trademark of BASF.*

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