

Selexsorb® HG

Pelletized Adsorbent for the Removal of Mercury from Dry Gas

BASF Selexsorb HG is a steam activated and promoted carbon that provides optimal removal of mercury (Hg) from various gas streams

This product is available in pellets with a diameter of 4 mm (4 x 6 Mesh).

Product Applications

BASF Selexsorb HG is designed to remove elemental mercury vapor from natural gas, hydrogen and other gas streams. Selexsorb HG has proven its capacity for mercury and its ability to achieve less than 0.1 ppb vol/vol (equivalent to ~ 0.5 mg / Nm³) mercury vapor effluent concentrations in off-gas treatment and natural gas processing plants.

Selexsorb HG protects aluminum heat exchangers used in low temperature fractionation applications from corrosion by amalgam formation with Hg.

Selexsorb HG also protects catalysts poisoned by Hg.

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

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

The typical operating temperature is ambient process temperature (20 up to approximately 50°C / 70 up to approximately 120°F).

Caution when Handling the Material!

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

Packaging

- FIBC (flexible intermediate bulk container), 500 kg net

Typical Physical Properties

Ball-pan Hardness (ASTM D-3802), %	Min. 95
Moisture content (ASTM D-2867), % wt./wt.	3
Bulk Density	~ 550 kg/m ³ (~34 lbs/cuft)

** These indicative properties do not represent process capabilities nor specifications*

Shipping Point

BASF warehouse, Natchez, MS, U.S.A.

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

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