

## TECHNICAL DATA SHEET

### Desorex HGD 4 S

extruded, impregnated activated carbon

®Desorex HGD 4S is a sulfur impregnated carbon based on coal, which can be used for the removal of mercury from flue gas, natural gas or other waste gases.

Mercury will react with the sulfur impregnation and the formed mercury sulfide is fixed in the complex pore system of the activated carbon. A special thermal impregnation process guarantees a high filtration efficiency and long life time of the activated carbon.

®Desorex HGD 4S is produced, based on a high activated carbon and has a high adsorption capacity for mercury as well as for organic impurities.

#### Specification:

Impregnation level with sulphur	wt.%	> 10
Bulk density (as delivered)	kg/m <sup>3</sup>	560 ± 30
Moisture content (as packed)	wt.%	< 5

#### Product data before impregnation:

Total surface area (BET-method)	m <sup>2</sup> /g	1000
CTC-adsorption	wt.%	> 60
Diameter of particles	mm	4
Ball pan hardness	wt.%	> 95
Ash content	wt.%	< 12

#### Remarks:

The above data are based on analyses of the activated carbon as delivered and test methods according ASTM and Donau Carbon. Copies are available on request.

Donau Carbon GmbH  
06.01.2023/MARCM/SR02

MSDS 131

**Donau Carbon GmbH**  
Gwinnerstrasse 27-33  
60388 Frankfurt / Germany  
phone +49 69 40 11-6 50  
fax +49 69 40 11-6 59  
office@donau-carbon.com

**Donau Carbon US LLC**  
551 N. US Highway 41  
Dunnellon, FL 34432 / USA  
phone +1-352-465-5959  
fax +1-352-465-0679  
admin.us@donau-carbon.com

**Donau Carbon France SARL**  
1 Quai Louis Aulagne  
69190 Saint-Fons /  
France  
phone +33 6 30 87 44 50  
france@donau-carbon.com

www.donau-carbon.com