



## DUT-9(Ni)



Highly Porous  
Metal-Organic Framework

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 34864

Fax: +49 351 463 - 37287

[materials.center@chemie.tu-dresden.de](mailto:materials.center@chemie.tu-dresden.de)

[www.metal-organic-frameworks.eu](http://www.metal-organic-frameworks.eu)

TU Dresden  
Department of Chemistry and Food Chemistry  
Inorganic Chemistry I  
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### Chemical Data

Chemical composition:



Min./Max. quantity: 1 g

Air and moisture sensitivity:

sensitive to moisture

Colour: green crystals

Particle size: 50 - 500  $\mu\text{m}$

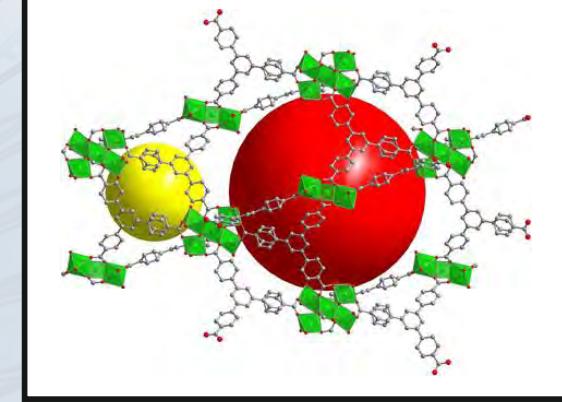
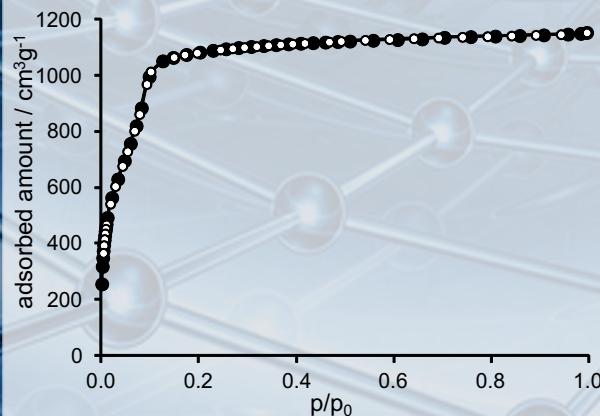
Single point BET ( $p/p_0 = 0.3$ ):

3330  $\text{m}^2\text{g}^{-1}$

Specific pore volume ( $p/p_0 = 0.9$ ):

1.7  $\text{cm}^3\text{g}^{-1}$

Adsorption isotherm:



### Literature

K. Gedrich, I. Senkovska, N. Klein, U. Stoeck, A. Henschel, M. R. Lohe, I. A. Baburin, U. Mueller, S. Kaskel, *Angew. Chem.* **2010**, 49, 8489 - 8492.