



## MIL-101(Cr)



### Highly Porous Metal-Organic Framework

Information, quantities and prices:

Materials Center

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Fax: +49 351 463 - 37287

materials.center@chemie.tu-dresden.de

www.metal-organic-frameworks.eu

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Inorganic Chemistry I

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## Chemical Data

**Chemical composition:**



**Min./Max. quantity:** 1 g

**Air and moisture sensitivity:**

stable against water

**Colour:** green powder

**Particle size:** <10  $\mu\text{m}$

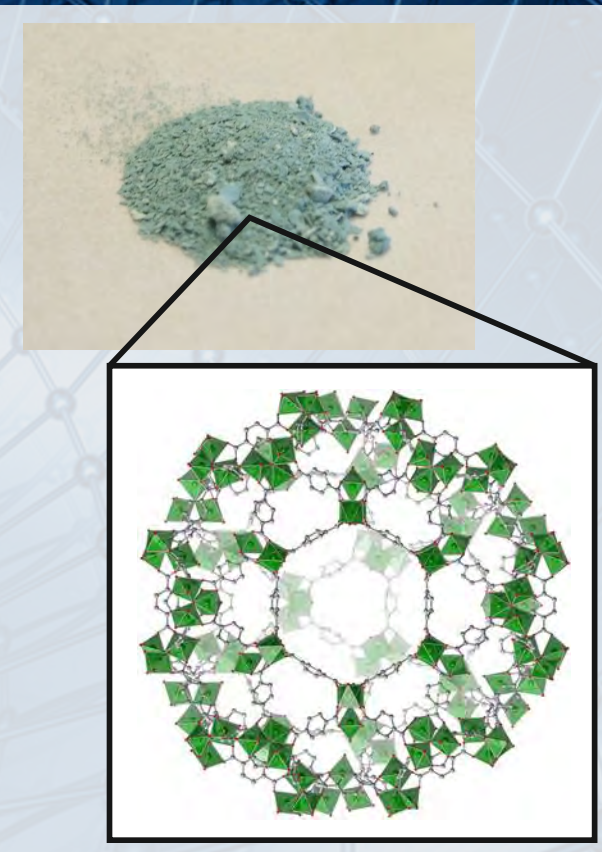
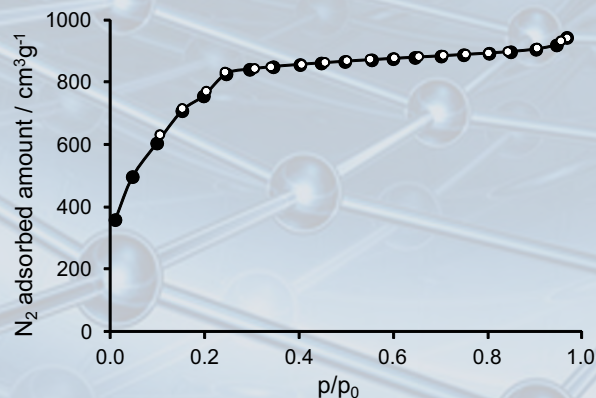
**Single point BET ( $p/p_0 = 0.3$ ):**

2600  $\text{m}^2\text{g}^{-1}$

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

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

**Adsorption isotherm:**



## Literature

J. Yang, Q. Zhao, J. Li, J. Dong,  
*Microporous Mesoporous Mater.* **2010**,  
130, 174 - 179.