



TECHNISCHE
UNIVERSITÄT
DRESDEN

DUT-8(Ni)

$\text{Ni}_2(2,6\text{-ndc})_2(\text{dabco})$

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

www.metal-organic-frameworks.eu

TU Dresden

Department of Chemistry and Food Chemistry

Inorganic Chemistry I

01062 Dresden

Chemical Data

Chemical composition:



Min./Max. quantity: 1 g

Air and moisture sensitivity:

stable in dry air

Colour: green to yellow powder

Particle size: 20 - 200 μm

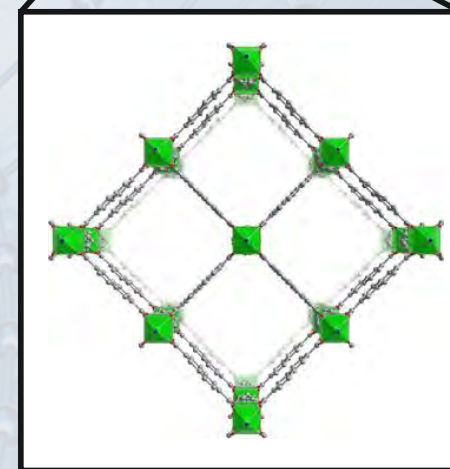
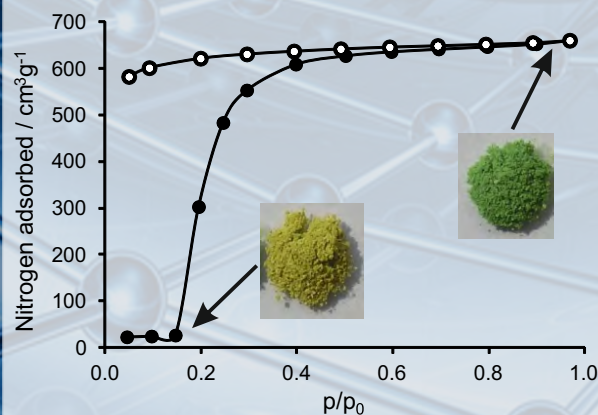
Single point BET ($p/p_0 = 0.3$):

1940 m^2g^{-1}

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

1.01 cm^3g^{-1}

Adsorption isotherm:



Literature

N. Klein, C. Herzog, M. Sabo, I. Senkovska, J. Getzschmann, S. Paasch, M. R. Lohe, E. Brunner, S. Kaskel, *Phys. Chem. Chem. Phys.* **2010**, 12, 11778 - 11784.