



TECHNISCHE
UNIVERSITÄT
DRESDEN

MIL-53

AlOH(bdc)

Highly Stable and Flexible
Metal-Organic Framework

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 32021

Fax: +49 351 463 - 37287

materials.center@chemie.tu-dresden.de

http://www.chm.tu-dresden.de/ac1/materials_center/

TU Dresden

Department of Chemistry and Food Chemistry

Inorganic Chemistry I

01062 Dresden

Chemical Data

Chemical composition:



Min./Max. quantity: 1 gram

Air and moisture sensitivity:

air and water stable

Colour: white powder

Particle size: < 10 μm

Single point BET ($p/p_0 = 0,3$):

N.A. (not accessible for N_2)

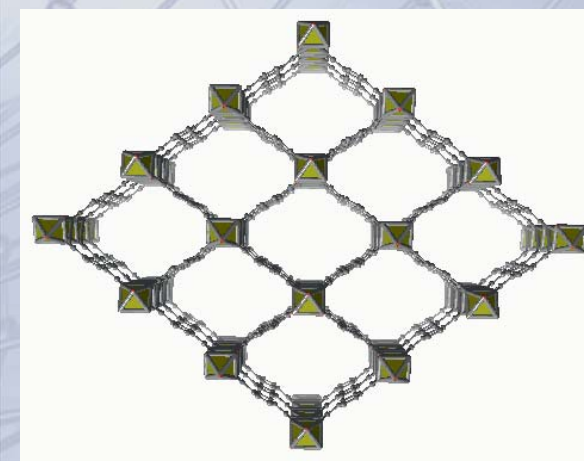
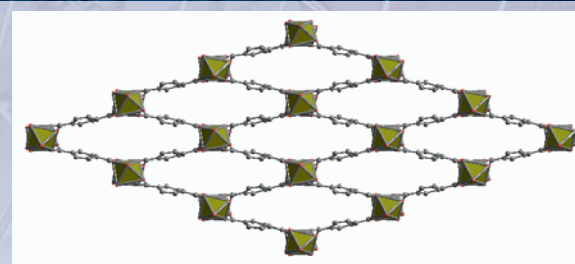
Specific pore volume ($p/p_0 = 0,9$):

N.A. (not accessible for N_2)

Adsorption isotherm:

N.A. (not accessible for N_2)

¹: material may contain residual adsorbed terephthalic acid



Literature

T. Loiseau, C. Serre, C. Huguenard, G. Fink, F. Taulelle, M. Henry, T. Bataille, G. Férey, *Chem. Eur. J.* **2004**, *10*, 1373-1382.