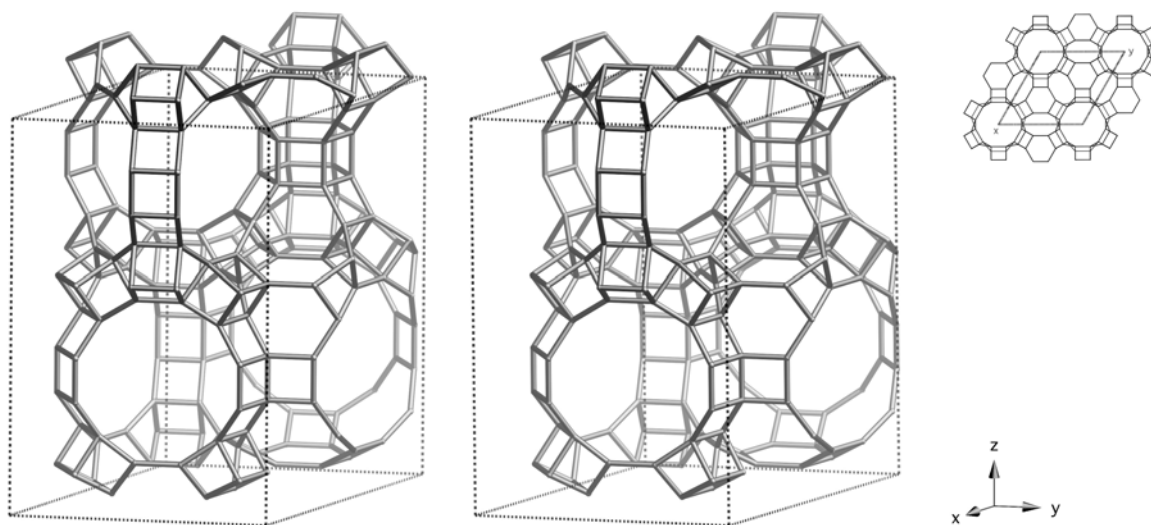


Framework Type Data



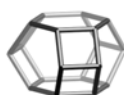
framework viewed normal to [001] (upper right: projection down [001])

Idealized cell data: hexagonal, $P6_3/mmc$, $a = 17.2\text{\AA}$, $c = 27.3\text{\AA}$

Coordination sequences and vertex symbols:

$T_1(24,1)$	4	9	17	28	41	56	75	100	127	157	195	233	$4\cdot4\cdot4\cdot12_6\cdot6_2\cdot8_4$
$T_2(24,1)$	4	9	17	27	39	55	75	100	127	156	192	230	$4\cdot4\cdot4\cdot8\cdot6\cdot6_2$
$T_3(24,1)$	4	9	16	25	38	58	84	111	135	157	182	215	$4\cdot4\cdot4\cdot6\cdot6\cdot12$
$T_4(24,1)$	4	9	16	24	35	53	77	104	130	153	178	213	$4\cdot6\cdot4\cdot6\cdot4\cdot8_7$

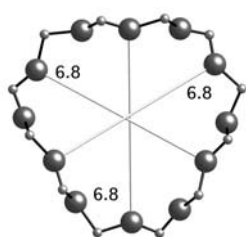
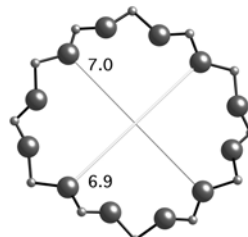
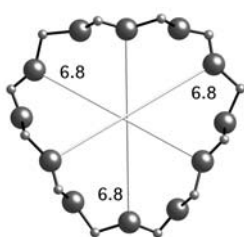
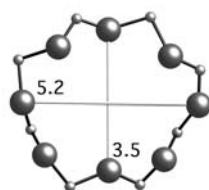
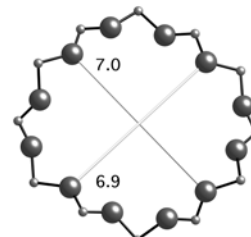
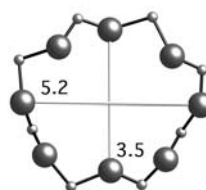
Secondary building units: 8 or 4

Composite building units:*sti**d6r**can***Materials with this framework type:***UCSB-6GaCo⁽¹⁾UCSB-6Co⁽¹⁾UCSB-6GaMg⁽¹⁾UCSB-6GaZn⁽¹⁾UCSB-6Mg⁽¹⁾UCSB-6Mn⁽¹⁾UCSB-6Zn⁽¹⁾

Type Material: UCSB-6GaCo

Type Material Data

Crystal chemical data:	$[(C_9H_{24}N_2)_{12}] [Ga_{24}Co_{24}P_{48}O_{192}]$ -SBS $C_9H_{22}N_2 = 1,9$ -diaminononane trigonal, $P\bar{3}1c$, $a = 17.836\text{\AA}$, $c = 27.182\text{\AA}$ ⁽¹⁾
Framework density:	12.8 T/1000 \AA^3
Channels:	$[001]$ 12 6.8 x 6.8* $\leftrightarrow \perp$ $[001]$ 12 6.9 x 7.0**

12-ring viewed along $[001]$ 12-ring viewed normal to $[001]$ 8-ring along $[001]$ **References:**

- (1) Bu, X., Feng, P. and Stucky, G.D. *Science*, **278**, 2080-2085 (1997)