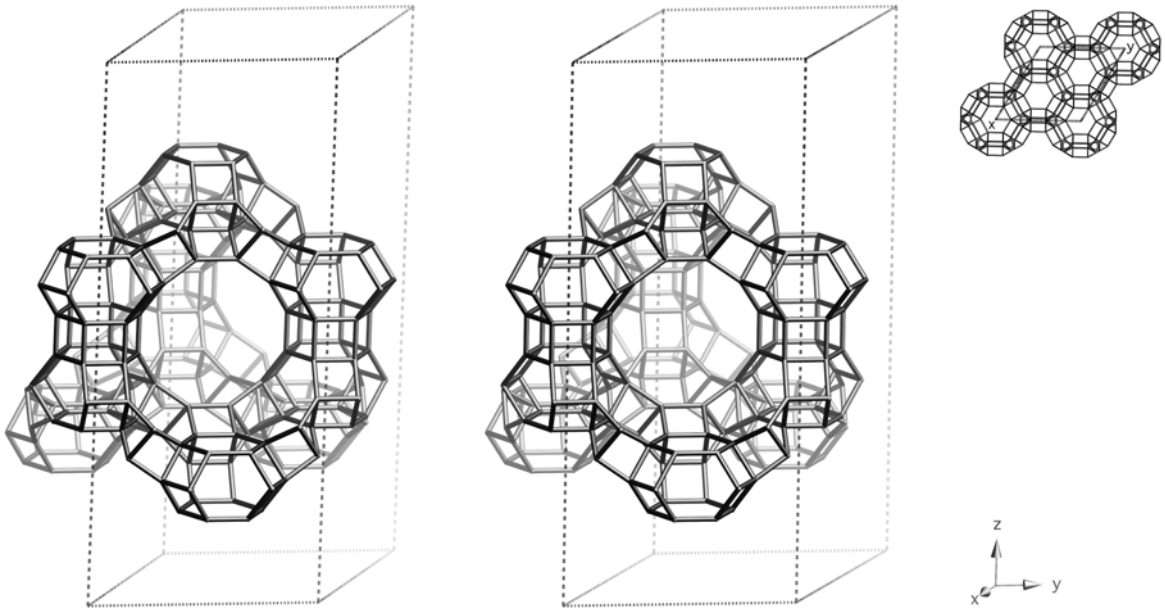
SBT $R\bar{3}m$

Framework Type Data



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

Idealized cell data: trigonal, $R\bar{3}m$, $a = 17.2$Å, $c = 41.0$Å

Coordination sequences and vertex symbols:

T_1 (36,1)	4	9	16	25	38	58	84	111	135	157	182	215	$4{\cdot}4{\cdot}4{\cdot}6{\cdot}6{\cdot}12$
T_2 (36,1)	4	9	17	28	41	56	75	100	127	157	195	232	$4{\cdot}4{\cdot}4{\cdot}12_6{\cdot}6_2{\cdot}8_4$
T_3 (36,1)	4	9	17	27	39	55	75	100	127	156	192	228	$4{\cdot}4{\cdot}4{\cdot}8{\cdot}6{\cdot}6_2$
T_4 (36,1)	4	9	16	24	35	53	77	104	130	153	178	213	$4{\cdot}6{\cdot}4{\cdot}6{\cdot}4{\cdot}8_7$

Secondary building units: 4

Composite building units:

sti *d6r* *can*

Materials with this framework type:

*UCSB-10GaZn[1]
UCSB-10Co[1]
UCSB-10Mg[1]
UCSB-10Zn[1]

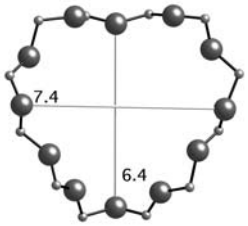
Type Material: UCSB-10GaZn **SBT**

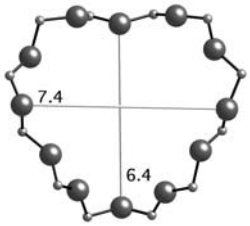
Type Material Data

Crystal chemical data: $\mathbf{|}(C_{10}H_{26}N_2O_3)_{18}\mathbf{|}\ [Ga_{36}Zn_{36}P_{72}O_{288}]$-**SBT**
$C_{10}H_{26}N_2O_3$ = 4,7,10-trioxa-1,13-tridecanediammonium
trigonal, $R\bar{3}$, a = 18.080Å, c = 41.951Å [1]

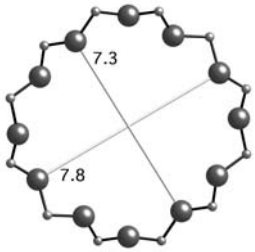
Framework density: 12.1 T/1000Å^3

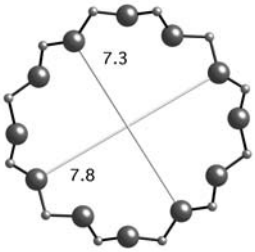
Channels: [001] **12** 6.4 x 7.4 * $\leftrightarrow \perp$ [001] **12** 7.3 x 7.8**



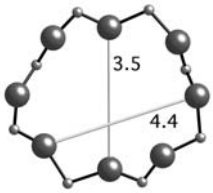


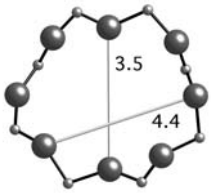
12-ring viewed along [001]





12-ring viewed normal to [001]





8-ring viewed along [102]

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