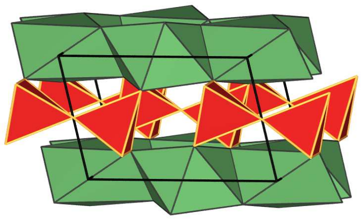
3. Gruppen(Soro)-Silicate

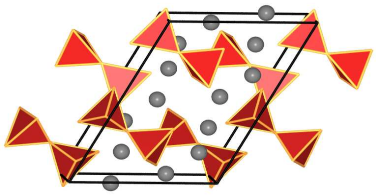
3.1. Disilicate

reine Disilicate (nur isolierte Si_2O_7-Anionen)

Thortveitit $Sc_2Si_2O_7$

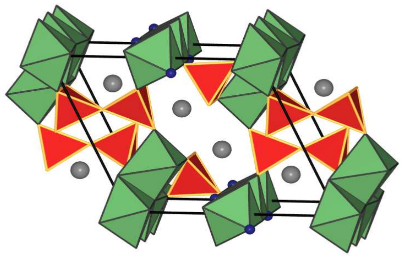


Rankinit $Ca_2Si_2O_7$



$[SiO_4]-$ und $[Si_2O_7]$-Baugruppen

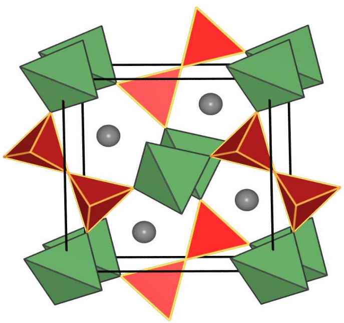
Epidot: $Ca_2Fe^{3+}Al_2[SiO_4][Si_2O_7]O(OH)$



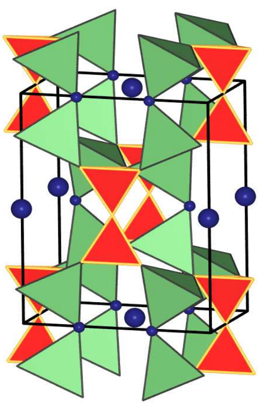
Minerale mit durch weitere Tetraeder ausgedehnten Verbänden

Mineralname	Zusammenseztung	Tetraederkomplex
Melilith	$Ca_2Mg[Si_2O_7]$	A_3X_7-Schichten
Hemimorphit	$Zn_4(OH)_2[Si_2O_7] \cdot H_2O$	A_2X_3-Raumnetz
Danburit	$CaB_2[Si_2O_7]O$	AX_2-Raumnetz

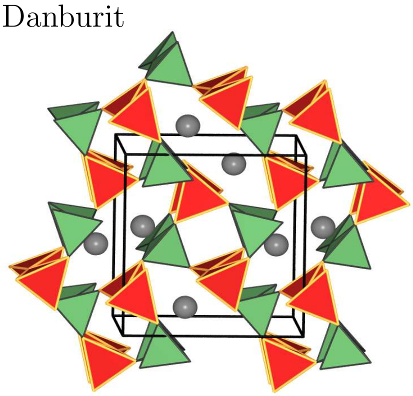
Melilith



Hemimorphit

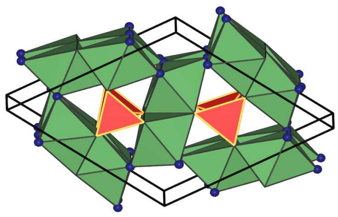


Danburit

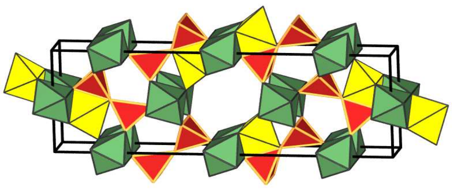


weitere Verbindungen mit Disilicat-Gruppen

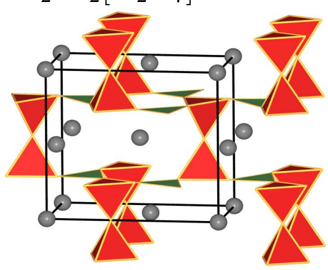
Tricalciumsilicathydrat $Ca_6[Si_2O_7](OH)_6$ (Jaffeit)



Mullit $Al_6Si_2O_{13}$



$Rb_2Be_2[Si_2O_7]$



3.2. Trisilicate

Thalenit	$Y_3[Si_3O_{10}](OH)$
Aminoffit	$Ca_3Be_2[Si_3O_{10}](OH)_2$
Kinoit	$Ca_2Cu_2^{2+}[Si_3O_{10}] \cdot 2H_2O$
synthetisch	z.B. $Na_4Mg_2[Si_3O_{10}]$

3.3. Weitere Gruppensilicate

unverzweigte Ketten:

$\{uB, mt\}[Si_mO_{3m+1}]^{(2m+2)-}$

M=4: $Ag_{10}[Si_4O_{13}]$ (synthetisch)

M=5: Medait $Mn_6V[Si_5O_{16}]O_2(OH)$

M=8, 9 und 10: synthetische Beispiele

verzweigte Ketten:

Zunyit $Al_{12}^{[6]}Al^{[4]}\{oB, 3t\}[Si_5O_{16}](OH, F)_{18}O_4Cl$

$NaBa_3Nd_3[Si_2O_7]\{oB, 3t\}[Si_4O_{13}]$, synthetisch