

structure (solids and liquids)

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Dicalcium Sodium Fluoride Silicate. — Single crystals of the title compound are prepared by reaction of CaCO_3 , SiO_2 , and NaF at 1073 K followed by partially melting the product with additional NaF at 1293 K. $\text{Ca}_2\text{NaFSiO}_4$ crystallizes in the orthorhombic space group Pnma with $Z = 4$. The structure is closely related to that of tricalcium silicate and other related compounds. — (ANDAC, OE.; GLASSER, F. P.; HOWIE, R. A.; *Acta Crystallogr., Sect. C: Cryst. Struct. Commun.* 53 (1997) 7, 831-833; Dep. Chem., Univ. Aberdeen, Old Aberdeen AB9 2UE, UK; EN)