>>**Entry Name: Potassium silicate (K_2SiO_3)**
Synonym(s): Potassium metasilicate

CAS Registry Number: 10006-28-7
K_2SiO_3

Molecular Formula: K_2O_3Si
Molecular Weight: 154.28
Accurate Mass: 153.889086
Percentage Composition: K 50.68%; O 31.11%; Si 18.20%

Physical Description: Cryst. or glass

References:

Miller, F.A. *et al.*, *Spectrochim. Acta*, 1960, **16**, 135-235, *(ir)*
Konijnendijk, W.L. *et al.*, *J. Non-Cryst. Solids*, 1976, **21**, 447-453, *(Raman)*
Harris, R.K. *et al.*, *J.C.S. Faraday 2*, 1977, **73**, 1204-1215, *(Si-29 nmr)*
Werthmann, R. *et al.*, *Rev. Chim. Miner.*, 1981, **18**, 593-607, *(cryst struct)*
Yasui, I. *et al.*, *Phys. Chem. Glasses*, 1983, **24**, 65-71, *(glass struct)*
Thorupy, S.K. *et al.*, *Indian J. Technol.*, 1986, **24**, 89-91, *(synth)*