



>>Entry Name: Sepiolite, 9CI

Synonym(s): Meerschaum

CAS Registry Number: 63800-37-3

Extra CAS Registry Numbers(s): 15501-74-3

$(\text{Mg,Fe,Al})_4[\text{Si}_2\text{O}_5]_3(\text{O,OH})_2 \cdot 4\text{H}_2\text{O}$

Molecular Formula: $\text{H}_9\text{Mg}_4\text{O}_{21}\text{Si}_6$

Molecular Weight: 610.792

Accurate Mass: 608.76537

Percentage Composition: H 1.49%; Mg 15.92%; O 55.01%; Si 27.59%

Source/Synthesis: Found in serpentine as an alteration product, at locations in USA, Turkey, Czechoslovakia, Spain, Greece and Morocco

Use/Importance: Used in the manuf. of meerschaum pipes

Physical Description: Fine fibrous white magnesiosilicate which floats on water

References:

Winchell, A.N. *et al.*, *Elements of Optical Mineralogy, Part II*, 4th Ed., Wiley, N.Y., 1951, 444

Rautureau, M. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. D*, 1974, **278**, 1661, (*struct*)

Jones, B.F. *et al.*, *Rev. Mineral.*, 1988, **19**, 631, (*rev*)