Crystal Data: Cubic. Point Group: $4/m \bar{3} 2/m$. [Massive.]

Physical Properties: Cleavage: {001}, perfect; parting on {011} (synthetic). Hardness = 3.5
D(meas.) = n.d. D(calc.) = 3.35


Cell Data: Space Group: $Fm\bar{3}m$ (synthetic). $a = 4.81059(9)$ $Z = 4$

X-ray Powder Pattern: Synthetic.
2.4059 (100), 1.7009 (54), 2.777 (34), 1.4505 (16), 1.3888 (16), 1.0758 (16), 0.8018 (16)

Chemistry: No analyses of natural material appear to be available.

Occurrence: In thermally metamorphosed calcareous ejecta (Vesuvius, Italy); in burning coal measures (Kopeysk, Russia).

Association: Calcite (Vesuvius, Italy); fluorellestadite, periclase, magnesioferrite, hematite, srebrodolskite, anhydrite (Kopeysk, Russia).

Distribution: On Vesuvius, Campania, Italy. From around Kopeysk, Chelyabinsk coal basin, Southern Ural Mountains, Russia. In the Campbell mine, Bisbee, Cochise Co., Arizona, USA.

Name: From the Old English, quicklime.