

Chalcoalumite - $\text{CuAl}_4(\text{SO}_4)(\text{OH})_{12} \cdot 3\text{H}_2\text{O}$

Hardness = 2.5. Cleavage: Distinct/good. Attacked by acids. Soluble in HCl.

References

Mindat: <https://www.mindat.org/min-961.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/chalcoalumite.pdf>

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.