

Chalcanthite - $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

Hardness = 2.5. Cleavage: Imperfect/fair. Brittle; very soft. Rapidly soluble in water or dilute acids. Insoluble in acetone or alcohols. Dehydrates in dry atmosphere to form a white crust. Said to be hygroscopic in high humidity.

References

Mindat: <https://www.mindat.org/min-959.html>

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

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

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