

# Chalcophanite - $\text{ZnMn}^{4+}_3\text{O}_7 \cdot 3\text{H}_2\text{O}$

Hardness = 2.5. Cleavage: Perfect. Soluble in HCl. Readily attacked by other concentrated acids.

## References

Mindat: <https://www.mindat.org/min-947.html>

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

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