

Callaghanite - $\text{Cu}_2\text{Mg}_2(\text{CO}_3)(\text{OH})_6 \cdot 2\text{H}_2\text{O}$

Hardness: 3–3.5. Cleavage: Perfect. Brittle. Likely sensitive to all acids to some extent, giving effervescence with dilute HCl. Readily attacked by NH_3 and alkalis. Likely sensitive to dithionite.

References

Mindat: <https://www.mindat.org/min-868.html>

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

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.