

Ursilite group - $\text{Ca}_4(\text{UO}_2)_4(\text{Si}_2\text{O}_5)_5(\text{OH})_6 \cdot 15\text{H}_2\text{O}$

Hardness: No data. Cleavage: No data. Radioactive. Attacked by HCl or H₂SO₄. May be sensitive to oxalic acid.

Two related minerals, calcioursilite (formula given above) and magnioursilite - $\text{Mg}_4(\text{UO}_2)_4(\text{Si}_2\text{O}_5)_5(\text{OH})_6 \cdot 20\text{H}_2\text{O}$, having similar chemical formulas and therefore expected to have similar physical and chemical properties. Data given here is for calcioursilite.

References

Mindat: <https://www.mindat.org/min-4119.html>

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