

Ushkovite - $\text{MgFe}^{3+}_2(\text{PO}_4)_2(\text{OH})_2 \cdot 8\text{H}_2\text{O}$

Hardness: 3.5. Cleavage: Perfect. Very brittle. Attacked by HCl or H₂SO₄. May be sensitive to all acids to some extent. Very sensitive to alkalis.

References

Mindat: <https://www.mindat.org/min-4129.html>

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

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