

Otavite - CdCO_3

Hardness: 3.5–4. Cleavage: Imperfect/fair. Very likely to be toxic. Insoluble in water. Soluble in acids. Weast gives an interesting fact: the compound is insoluble in aqueous NH_3 (usually written as just NH_3) but soluble in solutions of NH_4^+ salts (aqueous NH_3 contains a significant concentration of NH_4OH which is an NH_4^+ compound).

References

Mindat: <https://www.mindat.org/min-3040.html>

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

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

Weast, R., Ed. (1982) CRC Handbook of Chemistry and Physics, 63rd Edition, 2380 p., CRC Press, Inc., Cleveland.