

Smithsonite - ZnCO_3

Hardness: 4 - 4.5. Cleavage: Very good. Insoluble in water. Rapidly soluble in acids except in cold saturated citric acid in which it is only slowly soluble. Avoid strong detergents. Soluble in alkalis but insoluble in NH_3 . Derust with any dithionite recipe followed by a soak in NH_3 . In one sample treatment with Jacquard Hydro formed a black coating which faded after sonication and thorough drying. Stable to acetone or 99% rubbing alcohol.

References

Mindat: <https://www.mindat.org/min-3688.html>

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