

## Scapolite - $\text{Na}_4\text{Al}_3\text{Si}_9\text{O}_{24}\text{Cl}$

Hardness: 5.5 - 6. Cleavage: Distinct/good. Slowly attacked by concentrated HCl. Rate of attack by dilute HCl is slow enough that this reagent can be used to remove calcite but minimize exposure; acetic acid may be preferable. Tolerates any dithionite recipe as well as hot oxalic acid.

Scapolite is a term for any member of the marialite-meionite solution series. The end members or any intermediate member have similar physical and chemical properties and so can be treated the same way. Data given here is for marialite.

Varieties/related species (treat same as scapolite): Wernerite.

### References

Mindat: <https://www.mindat.org/min-8778.html>

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

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

Rohner, T. (2000) Properly clean minerals online cleaning book.

[www.strahlen.org/stepbystep/mineralien-reinigung2.pdf](http://www.strahlen.org/stepbystep/mineralien-reinigung2.pdf). In German.

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.