

Cryolithionite - $\text{Na}_3\text{Al}_2(\text{LiF}_4)_3$

Hardness = 4. Cleavage: Distinct/good. Very slightly soluble in warm water. Soluble in H_2SO_4 with release of gaseous HF (highly toxic and corrosive!).

References

Mindat: <https://www.mindat.org/min-1162.html>

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

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