



>>Entry Name: Silver(I) chloride

Synonym(s): Argentous chloride. Cerargyrite

CAS Registry Number: 7783-90-6

AgCl

Molecular Formula: AgCl

Molecular Weight: 143.321

Accurate Mass: 141.873944

Percentage Composition: Ag 75.26%; Cl 24.74%

Use/Importance: Used in silver plating and in making antiseptic silver preparations. Commercially available

Physical Description: White powder. Darkens on exp. to light

Melting Point: Mp 455°

Boiling Point: Bp 1550°

Solubility: Spar. sol. H₂O; sol. conc. NH₃, alkali cyanides; insol. dil. acids, EtOH

Other Data: ΔH_f° -127.3 kJ mol⁻¹

Hazard & Toxicity: Ammoniacal solns. potentially explosive

Aldrich: 44957-1

Fluka: 85160

Sigma: S2131

References:

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