



>>Entry Name: Cobalt(II) perchlorate, 8Cl

Synonym(s): Cobaltous perchlorate

CAS Registry Number: 13455-31-7

Co(ClO₄)₂

Molecular Formula: Cl₂CoO₈

Molecular Weight: 257.834

Accurate Mass: 256.830222

Percentage Composition: Cl 27.50%; Co 22.86%; O 49.64%

General Statement: Obt. as hexahydrate

>>Derivative: Hexahydrate

Synonym(s): Hexaaquacobalt(2+) diperchlorate, 12Cl. Cobalt(II) perchlorate hexahydrate, 12Cl

CAS Registry Number: 13478-33-6

Extra CAS Registry Numbers(s): 15305-50-7

Physical Description: Dark red cryst.

Solubility: V. sol. H₂O

Other Data: Diperchlorate salt of Hexaaquacobalt(II)(2+) JCB11-P

Hazard & Toxicity: Potentially explosive

Aldrich: 40140-4

References:

Sidgwick, N.V., *The Chemical Elements and their Compds.*, Oxford, 1950, 1383, (*props*)

Wells, A.F., *Structural Inorg. Chem.*, 5th Ed., Oxford, 1984, 677, (*struct*)