



Chemistry for Safer, Sustainable Life

BioFuran Materials LLC
920 William Pitt Way
Pittsburgh, PA 15238
412-376-7101

<https://www.biofuranchem.com>

Cobalt (II) acetate tetrahydrate Data Sheet

Catalog sizes	100g , Listed as 100g Cobalt (II) acetate tetrahydrate, 100AC94 500g , Listed as 500g Cobalt (II) acetate tetrahydrate, 500AC94 1kg , Listed as 1kg Cobalt (II) acetate tetrahydrate, 1000AC94
Category	Acetate and Formate Salts
Product specification	Reddish-pink crystalline powder <ul style="list-style-type: none">• Product ID : AC94• Purity : 98%+• CAS : 6147-53-1• Molecular formula : C₄H₁₄CoO₈• MW : 249.08g/mol• MP : 296-302C, decomposes• Solubility : 350-400g/L in water
Product description	<p>Cobalt carboxylate soaps are commonly used in chemical reactions as catalysts. For instance, cobalt acetate is used for the production of terephthalic acid as well as dimethyl terephthalic acid, which are key compounds in the production of polyethylene terephthalate (PET) resins. Cobalt soaps are used in paints, varnishes, and inks as drying agents through the oxidation of certain compounds. The utility of cobalt lies in its redox switching where cobalt easily passes the bivalent to trivalent state.</p> <p>Other applications include:</p> <ul style="list-style-type: none">• Paint and varnish dryer additive• Ceramics brightener• cobalt catalysts• cobalt ceramics precursor• synthetic reagent• Lithium-ion battery cathode material