



Chemistry for Safer, Sustainable Life

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## Cobalt (II) acetate tetrahydrate Data Sheet

<b>Catalog sizes</b>	<b>100g</b> , Listed as 100g Cobalt (II) acetate tetrahydrate, 100AC94 <b>500g</b> , Listed as 500g Cobalt (II) acetate tetrahydrate, 500AC94 <b>1kg</b> , Listed as 1kg Cobalt (II) acetate tetrahydrate, 1000AC94
<b>Category</b>	Acetate and Formate Salts
<b>Product specification</b>	Reddish-pink crystalline powder <ul style="list-style-type: none"><li>• Product ID : AC94</li><li>• Purity : 98%+</li><li>• CAS : 6147-53-1</li><li>• Molecular formula : C<sub>4</sub>H<sub>14</sub>CoO<sub>8</sub></li><li>• MW : 249.08g/mol</li><li>• MP : 296-302C, decomposes</li><li>• Solubility : 350-400g/L in water</li></ul>
<b>Product description</b>	<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"><li>• Paint and varnish dryer additive</li><li>• Ceramics brightener</li><li>• cobalt catalysts</li><li>• cobalt ceramics precursor</li><li>• synthetic reagent</li><li>• Lithium-ion battery cathode material</li></ul>