



Chemistry for Safer, Sustainable Life

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Nickel formate dihydrate Data Sheet

Catalog sizes	100g , Listed as 100g Nickel formate dihydrate, 100FO104 500g , Listed as 500g Nickel formate dihydrate, 500FO104 1kg , Listed as 1kg Nickel formate dihydrate, 1000FO104
Category	Formate & Acetate Salts
Product specification	Pale green crystalline powder <ul style="list-style-type: none">• Product ID : FO104• Purity : 98%+• CAS : 15694-70-9• Molecular formula : C₂H₆NiO₆• Molecular mass : 184.76g/mol• MP: 130-140°C• Solubility: 125-135g/L in water
Product description	Nickel formate dihydrate (Ni(HCOO) ₂ ·2H ₂ O) is pale green crystalline solid. Short chain nickel carboxylic acid salts such as nickel formate dihydrate are routinely used in battery cathode manufacturing, electroplating, and hydrogenation of fats and for pigmentation. Exemplary uses cases include, <ul style="list-style-type: none">• Preparation of Ni catalysts for organic reactions, especially fatty acid hydrogenation catalysts• Catalyzing the growth of carbon nanotubes• Key ingredients in nickel electroplating baths• Colorants for glass, ceramics, paints, and dyes• Simple organo-reagent for nickel coordination complexes.• Mordant in the textiles industry• Nickel oxide precursor• On-demand, low-temp source for finely divided, high activity Ni catalysts• Precursor for Nickel-coated Lithium cathode