



Chemistry for Safer, Sustainable Life

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Sodium formate Data Sheet

Catalog sizes	100g , Listed as 100g Sodium formate 100FO13 500g , Listed as 500g Sodium formate 500FO13 1kg , Listed as 1kg Sodium formate 1000FO13
Category	Acetate and Formate Salts
Product specification	Off-white granular powder <ul style="list-style-type: none">• Product ID : FO13• Purity : 99%• CAS : 141-53-7• Molecular formula : NaOOCH• Molecular mass : 68.01g/mol• Mp : decomposes around 348-352°C• Solubility : 970-974g/L in water
Product description	<p>Sodium formate (HCOONa, CAS No 141-53-7) is a white deliquescent powder with a molecular weight of 68.01 g/mol. Sodium formate melts at 245°C and is soluble in water (972 g/L at 20 °C) and slightly soluble in alcohol.</p> <p>This non-corrosive, biodegradable salt has many prominent uses including</p> <ul style="list-style-type: none">· Enzyme stabilization in detergents· Reducing agent· Rheology control additive· Noble metal precipitant (complexing agent)· Electroplating additive· Photographic bath additive· Buffering agent for strong mineral acids· Printing and dyeing additive (enhances brightness and vivid colors)· Leather tanning additive· Airport running agent (melts ice faster than urea and is effective at low temperatures) <p>Sodium formate is an environmentally safer alternative to chloride, sulfate, nitrate, and phosphate brines.</p>