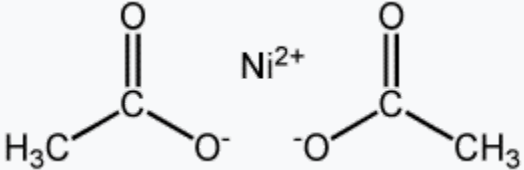




Technical Data Sheet - Nickel Acetate

1	Chemical Name	Nickel Acetate Anhydrous
2	CAS No	373-02-4
3	Synonym (s)	Nickel diacetate
4	Chemical Formula	$(\text{Ni}(\text{CH}_3\text{COO})_2)$
5	Chemical Structure	
6	Molecular Weight	176.78gm/mol
7	Description	A greenish crystalline compound with the formula $\text{Ni}(\text{CH}_3\text{CO}_2)_2$
8	Solubility	Moderately soluble in water and methanol
9	Storage and Handling	Store nickel acetate in its original, tightly closed container. Wash hands thoroughly after handling nickel acetate.
10	Uses	<p>1. Precursor Material:</p> <ul style="list-style-type: none">• Nanostructured Materials: It's used as a starting material in the hydrothermal synthesis of nanostructured nickel diselenide (NiSe_2).• Nickel Oxide (NiO): Nickel acetate is a precursor in the sol-gel method for synthesizing nickel oxide, which can be tailored for applications like electrochromic devices, gas sensors, and lithium-ion batteries.



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		<ul style="list-style-type: none">• Molecular Magnets: It's used in the synthesis of polynuclear-nickel polyoxotungstate cluster compounds, which are ideal for designing molecular magnets.• Synthesis of other nickel compounds: It can be used to make other nickel compounds.
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