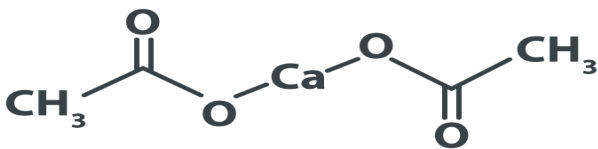




RASHDEEP CHEMICALS

Technical Data Sheet - Calcium Acetate

1	Chemical Name	Calcium Acetate Anhydrous
2	CAS No	62-54-4
3	Synonym (s)	Acetic Acid - calcium Salt
4	Chemical Formula	$\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$
5	Chemical Structure	
6	Molecular Weight	158.17 g/mol
7	Description	White crystalline powder
8	Solubility	Soluble in water
9	Storage and Handling	Highly hygroscopic / store in dry place
10	Uses	<p>Food Industry:</p> <ul style="list-style-type: none">● Food Additive (E263): Calcium acetate is used as a food additive for various purposes, including a firming agent in jams, jellies, and candies, a stabilizer to prevent discoloration, and a buffer to maintain acidity in foods like salad dressings and pickles.● Preservative and Acidity Regulator: It helps extend the shelf life of food products by inhibiting microbial growth and regulates acidity in foods like sauces, dressings, and beverages.



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		<ul style="list-style-type: none"> ● Anti-mold agent: It helps prevent the growth of mold in bakery goods. <p>Medical Applications:</p> <ul style="list-style-type: none"> ● Phosphate Binder: Calcium acetate is used to treat hyperphosphatemia (high phosphate levels in the blood) in patients with kidney disease, particularly those on dialysis. ● Mechanism of Action: It works by binding to phosphate in the diet, preventing its absorption and allowing it to be eliminated from the body. ● Calcium Supplement: Calcium acetate can be used as a source of calcium in calcium supplements. <p>Industrial Applications:</p> <ul style="list-style-type: none"> ● Corrosion Inhibitor: It's used as a corrosion inhibitor in various applications. ● Lubricant Manufacturing: Calcium acetate is used in the manufacturing of lubricants. ● Stabilizer in Resins: It serves as a stabilizer in resins. ● Catalyst: It can be used as an esterification catalyst. ● Manufacturing of Agricultural Products: It plays a role in the production of agricultural products. ● Water Treatment: Acts as a coagulant in water treatment plants, aiding in the removal of impurities. ● Precursor in Acetone Synthesis: Historically, calcium acetate was used as a precursor in the synthesis of acetone. ● Manufacturing of Resonates for Printing Inks: Calcium acetate is used in the manufacturing process of resonates for printing inks.
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RASHDEEP CHEMICALS

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| | | <ul style="list-style-type: none">• Calcium Soap Making: Calcium acetate is utilized in calcium soap making.• Production of High Temperature Lubricating Grease: Calcium acetate is used in the production of high temperature lubricating grease.• Catalyst for Polyester Production: Calcium acetate is used as a catalyst for polyester production. |
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