

Powder Properties

Properties	Chemical
Does not react with vinegar or iodine Cube crystal shape Less soluble than sugar	Salt (Sodium Chloride)
Does not react with vinegar Crystal Very soluble in water Also dissolves in vinegar Turns brown when heated	Sugar (Sucrose)
Reacts with vinegar – produces gas Does not react with iodine. Does not have a crystal shape. Slightly soluble in water High pH – basic.	Baking Soda (Sodium Bicarbonate)
Reacts with iodine Does not react with vinegar – gets thick, then hard No crystal shape Insoluble in water	Corn Starch
Does not react with vinegar Does not react with iodine. Has no crystal shape. Is insoluble in water – turns hard and warm Melts and hardens in vinegar	Plaster of Paris