
















ROW	COMPOUND	CHEMICAL FORMULE	
1	Nickel nitrate	$\text{Ni}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ 	Crystal emerald green solvent in water Unflamable, manure Increases explosive power Nickel plating Chemical catalyst Producing vegetable oil Ceramic tile, anti paint Colored glass
2	Nickel carbonate basic	$\text{NiCO}_3 \cdot 2\text{Ni}(\text{OH})_2 \cdot 4\text{H}_2\text{O}$ 	Crystal green Manufacture of alloy steel Plating Ion exchange Glass pigment and ceramic glaze Cell fuel electrode Stainless steel
3	Nickel oxide	Ni_2O_3 	
4	Nickel oxide	NiO	
5	Stannous chloride	$\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$ 	Solid white Gold detection Catalyst Plating Polymer industry

6	Stannous sulfate	SnSO_4 	
7	Stannic oxide	$\text{SnO}_2 \cdot n\text{H}_2\text{O}$ 	Production of frosted glass Ceramic glaze Polishing granite and marble
8	Stannous oxide	SnO	
9	Copper sulfate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 	Crystal clear blue Agricultural purposes Making pesticides Manure Blue color in fireworks Plating Wood and traverse protector Hair coloring Livestock and poultry food supplement Leather production

10	Copper nitrate	$\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ 	<p>Blue powder</p> <p>Nickel plated bath</p> <p>Dyeing fabrics and textiles</p> <p>Ceramic paint</p> <p>Pregnancy test catalyst</p>
11	Copper oxide black	CuO 	<p>Brown or black powder</p> <p>Solvent in ammonia and alcohol</p> <p>Pigments</p> <p>Car body parts paint</p> <p>Rayon industry</p> <p>Ceramic and glass painting</p> <p>Maintenance of expensive painting</p> <p>Plating battery</p>
12	Copper carbonate	$\text{Cu}_2(\text{OH})_2\text{CO}_3$ 	<p>Green powder</p> <p>Solvent in acetic acid and sulfuric acid</p> <p>Construction paint</p> <p>Oil and petrochemical industry</p> <p>Pigment</p> <p>Paint of ancient medieval buildings</p> <p>Sculpture and antiquity</p> <p>Manufacturing copper acetate</p> <p>Copper plating</p>
13	Copper chloride	$\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$	<p>White to yellow powder</p> <p>Oil industry for oil desalination</p> <p>Refining copper, gold, silver</p> <p>Fire industry</p> <p>Wacker process</p> <p>Printing industry</p> <p>Catalyst</p> <p>Agricultural purposes.</p>

14	Sodium molybdate	$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ 	Military industry Anti corrosion steel Water industries Steel parts making Industrial degreaser
15	Calcium nitrate	$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ 	Pale gray granola Solvent in water and alcohol Waterwaste treatment Manure Maling latex Thermo oil for concentrated solar power plants Drugs industry Excess slodge treatment Fertilizer
16	Sodium nitrate	NaNO_3	Crystal powder white to yellow Humidity absorber Solvent in water Making Lastic Antibacterial Medicine Pedicides Meet dye and additives
17	Zinc nitrate	$\text{Zn}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ 	Colorless crystal Solvent in water and alcohol Unflamable Fuel catalyst Resin production catalyst Synthesis of peer polymer Latex coagulant Liquid fertilizer

18	Zinc carbonate	$ZnCO_3$	Iron plating Fire retardant in resin and plastic compounds Anti-corrosion of iron Colored pigment Ceramic Cosmetics Medicine industry
19	Magnesium nitrate	$Mg(NO_3)_2 \cdot 2H_2O$ 	Meta plating Alcohol industry Medicine and cosmetics Fire work products Galvanized and aluminium Fertilizer Laether and textile Help grow greenhouse plants
20	Manganese carbonate	$MnCO_3$ 	Crème to pink powder Insoluble in water,ammunia and aqueous acids Metal plating Wolding Coloring concreate Iron ore production Strong oxidizer Plant fertilizer Painting Porcelain glaze Livestock and poultry feed