

# Commonly Used Chemical Names

COMMONLY USED NAMES	CHEMICAL NAME OR COMPOUND	COMMONLY USED NAMES	CHEMICAL NAME OR COMPOUND
Alum	Potassium aluminum sulfate, $K_2Al_2(SO_4)_4 \cdot 24H_2O$ (varies)	Flowers of sulfur	Sulfur, S
"Aloxite"		Fluorspar	Calcium fluoride, $CaF_2$
Alumina	Aluminum oxide, $Al_2O_3$	Glauber's salt	Sodium sulfate, $Na_2SO_4 \cdot 10H_2O$
"Alundum"		Gypsum	Calcium sulfate, $CaSO_4 \cdot 2H_2O$
Aqua fortis	Nitric acid	Hypo	Sodium thiosulfate, $Na_2S_2O_3 \cdot 5H_2O$
Aqua regia	Nitric acid — 1 part + hydrochloric acid — 3 parts	Lime	Calcium oxide, CaO
Baking soda	Sodium bicarbonate, $NaHCO_3$	Litharge	Lead monoxide, PbO
Blue dip	Solution of mercury salt	Liver of sulfur	Potassium polysulfide, $K_2S_x$
Blue stone		Marble	Calcium carbonate, $CaCO_3$
Blue vitriol	Copper sulfate, $CuSO_4 \cdot 5H_2O$	Metso	Sodium metasilicate, $Na_2SiO_3 \cdot 5H_2O$
Boracic acid	Boric acid	Muriatic acid	Hydrochloric acid, HCl
Borax	Sodium tetraborate, $Na_2B_4O_7 \cdot 10H_2O$	Oil of vitriol	Acid sulfuric, $H_2SO_4$
Butter of antimony	Antimony trichloride, $SbCl_3$	Pearl ash	Potassium carbonate, $K_2CO_3$
Calcite	Calcium carbonate, $CaCO_3$	Plaster of Paris	Calcium sulfate, $2CaSO_4 \cdot H_2O$
Calomel	Mercurous chloride, $Hg_2Cl_2$	Quicksilver	Mercury
"Carborundum"	Silicon carbide, SiC	Rochelle salt	Sodium potassium tartrate, $NaK(C_4H_4O_6) \cdot 4H_2O$
Caustic potash	Potassium hydroxide, KOH	Rouge	Iron oxide, $Fe_2O_3$
Caustic soda	Sodium hydroxide, NaOH	Sal ammoniac	Ammonium chloride, $NH_4Cl$
Chalk	Calcium carbonate, $CaCO_3$	Single nickel salt	Nickel sulfate, $NiSO_4 \cdot 6H_2O$ or $NiSO_4 \cdot 7H_2O$
Chloride of lime	Calcium hypochlorite, $CaOCl_2$	Slaked lime	Calcium hydroxide, $Ca(OH)_2$
Common salt	Sodium chloride, NaCl	Soda ash	Sodium carbonate, $Na_2CO_3$
Copperas	Ferrous sulfate, $FeSO_4 \cdot 7H_2O$	Sour water	Dilute sulfuric acid
Cream of tartar	Potassium acid tartrate, $KH(C_4H_4O_6)$	Sugar of lead	Lead acetate, $Pb(CH_3COO)_2$
Double nickel salt	Nickel ammonium sulfate, $NiSO_4(NH_4)_2 \cdot 3SO_4 \cdot 6H_2O$	TSP	Trisodium phosphate, $Na_3PO_4$
Emery	Aluminum oxide, $Al_2O_3$	Washing soda	Sodium carbonate, $Na_2CO_3 \cdot 10H_2O$
Epsom salt	Magnesium sulfate, $MgSO_4 \cdot 7H_2O$	Water glass	Sodium silicate solution
		Vienna lime	Calcium carbonate, $CaCO_3$