

Appendix 3

Glassmaking Ingredients

The following are some ingredients in making glass. The various names by which they are known may help readers to identify some of the ingredients in the formulas.

Alumina	Aluminum Oxide	Al_2O_3
Aluminum Hydroxide	Hydrated Alumina	
	Precipitated Oxide of Alumina	$Al(OH)_3$
Antimony Oxide	Oxide Antimony	
	Trioxide Antimony	Sb_2O_3
Arsenic	Arsenic Trioxide	
	Arsenous Acid	
	White Arsenic	
	Arsenous Anhydride	As_2O_3
Barium Carbonate	Witherite	$BaCO_3$
Barium Oxide		BaO
Barium Sulphate		$BaSO_4$
Borax	Sodium Borate	$Na_2B_2O_7$
	Sodium Biborate	Na_2O
Boric Acid	Boracic Acid	B_2O_3
Calcium Oxide	Burnt Lime	
	Quick Lime	CaO
Calcium Hydroxide	Hydrated Lime	
	Calcium Hydrate	
	Slaked Lime	$Ca(OH)_2$
Calcium Carbonate	Raw Lime	
	Whiting	
	Limestone	$CaCO_3$
Chrome Oxide	Chrome Green	
	Chromium Trioxide	Cr_2O_3

Cobalt Oxide	Black Oxide of Cobalt	CoO
Copper Oxide	Copper Monoxide	
	Black Oxide Copper	CuO
Copper Oxide Red		Cu ₂ O
Cryolite	Cryolith	
	Kryolith	Na ₃ FAIF ₃
Feldspar	Natural mineral	varying
Ferric Oxide	Iron Oxide	
	Crocus Martis	
	Venetian Red	Fe ₂ O ₂
Fluorspar	Calcium Fluoride	
	Fluorite	CaF ₂
Kaolin	Terra Alba	Al ₂ O ₂
	China Clay	Al ₂ O ₂
Lead Oxide Red	Red Lead	
	Minium	Pb ₂ O ₄
Lead Oxide Yellow	Lead Monoxide	
	Litharge	PbO
Magnesium Carbonate		MgCO ₃
Magnesium Oxide		MgO
Manganese Dioxide	Manganese Pyrolusite	MnO ₂
Nickel Oxide Green	Nickel Monoxide	NiO
Niter Potassium	Potassium Nitrate	
	Salt Peter	KNO ₃
Nitre Soda	Chili Saltpeter	
	Chili Niter	NaNO ₃
Potassium Carbonate	Pearl Ash	K ₂ CO ₃
Potassium Dichromate		K ₂ Cr ₂ O ₇
Potassium Nitrate		KNO ₃
Potassium Oxide		K ₂ O
Sand	Silica	SiO ₂
Salt Cake	Sodium Sulphate	Na ₂ SO ₄
Selenium Metallic		Se
Soda Ash	Sodium Carbonate	Na ₂ CO ₃
Sodium Chromate		Na ₂ CrO ₄
Sodium Dichromate		Na ₂ Cr ₂ O ₇
Sodium Oxide		Na ₂ O
Sodium Selenite		Na ₂ SeO ₃
Sodium Silico Fluoride	Salufer	
	Opaline	Na ₂ SiF ₆
Sodium Sulphate		Na ₂ SO ₄
Sodium Uranate	Yellow Oxide Uranium	Na ₂ UO ₄
Uranium Oxide		U ₂ O ₂
Zinc Oxide	Zinc White	ZnO

Other ingredients found in some formulas:

Bicarbonate of Soda	baking soda
Bone Ash	burned bones
Brimstone	sulfur
Chromate of Iron	same as Chrome green. A salt of chromic acid.
Copperas Green	Ferrous sulfate
Nitrate of Soda	Soda Niter, Chile Saltpeter
Potash	potassium carbonate
Tin Ash	stannic oxide, also "flowers of tin"
Ultramarine stain	blue pigment prepared from lapis lazuli
Zaffer	Impure oxide of cobalt