

SEGER FORMULA AND OXIDES IN GLAZES



Basic oxides group R_2O/RO			Amphoteric (intermediate) oxides group xR_2O_3			Acidic oxides group yRO_3		
name	R_2O	Molar weight (g/mol)	name	Al_2O_3	Molar weight (g/mol)	name	RO_2	Molar weight (g/mol)
Potassium	K_2O	94.2	Aluminum oxide	Al_2O_3	101.961	Silicon dioxide	SiO_2	60.086
Sodium oxide	Na_2O	61.979	Iron (III) oxide	Fe_2O_3	159.892	Boron oxide	B_2O_3	69.62
Lithium oxide	Li_2O	29.881	Bismuth oxide	Bi_2O_3	405.959	Titanium dioxide	TiO_2	79.886
Copper (I)	Cu_2O	149.991	Manganese (III)	Mn_2O_3	157.874	Tin dioxide	SnO_2	159.69
Calcium oxide	CaO	56.08	Chromium (III)	Cr_2O_3	151.99	Zirconium dioxide	ZrO_2	123.22
Barium oxide	BaO	153.93				Phosphorus pentoxide	P_2O_5	283.889
Strontium	SrO	109.62				Antimony (III) oxide	Sb_2O_3	323.5
Magnesium	MgO	40.304				Arsenic trioxide	As_2O_3	197.842
Lead(II) oxide	PbO	223.2				Uranium dioxide	UO_2	270.028
Cobalt (II) oxide	CoO	74.933				Molybdenum trioxide	MoO_3	143.94
Nickel (II) oxide	NiO	74.093				Tungsten trioxide	WO_3	231.85
Copper (II) oxide	CuO	79.545				Vanadium (V) oxide	V_2O_5	181.86
Ferrous oxide	FeO	71.946						
Manganese(II) oxide	MnO	70.937						
Silver oxide	Ag_2O	231.715						
Cadmium oxide	CdO	128.41						