



Properties of Industrial Alkalis

Alkali	Calcium Oxide	Magnesium Hydroxide	Calcium Hydroxide	Sodium Hydroxide	Sodium Bicarbonate	Sodium Carbonate
Common Name	Lime, Quicklime	Mag Hydroxide, Milk of Magnesia	Hydrated Lime, Slaked Lime, Milk of Lime	Caustic Soda	Bicarbonate of Soda, Baking Soda	Soda Ash
Chemical Formula	CaO	Mg(OH) ₂	Ca(OH) ₂	NaOH	NaHCO ₃	Na ₂ CO ₃
Alkalinity, Lbs CaCO ₃ Equivalent Per Lb Dry Solids	1.74	1.68	1.32	1.23	0.60	0.94
Alkalinity, Lbs CaCO ₃ Equivalent Per Ton Dry Solids	3489	3361	2646	2460	1200	1888
% Solids	N.A.	60	34	50	N.A.	N.A.
Dry Lb Alkali Per Gallon	N.A.	7.68	3.54	6.19	N.A.	N.A.
Alkalinity, Lbs CaCO ₃ Equivalent Per Gallon	N.A.	12.9	4.68	7.61	N.A.	N.A.
Neutralizing Capacity, Lbs OH ⁻ Per Lb Dry Solids	0.59	0.57	0.45	0.43	0.20	0.32
Equivalent Amount to 1.0 Gallon of FloMag [®] H	7.4 Dry Lbs	1.0 Gallon (60% Solids)	2.8 Gallons (34% Solids)	1.7 Gallons (50% Solution)	21.5 Dry Lbs	13.7 Dry Lbs

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