



Ph Neutral!



KOLOR-SAFE® LIQUID ACID NEUTRALIZATION GUIDE						
Chemical ▼	Concentration		Volume (1 Qt. Neutralizes)		Approx. Amount Required To Handle 1 Gal. (3.785L) Acid Spill	
	% by Wgt	Molarity	Pints	Liters	Gallons	Liters
Sulfuric (H2SO4)	98	18	0.29	0.14	7.3	27.7
	50	9.2	0.59	0.28	3.7	14
	10	1.8	3	1.44	0.9	2.8
Nitric (HN03)	68	15.8	0.69	0.33	3.2	12.2
	40	9.3	1.16	0.55	1.9	7.2
	10	2.3	4.83	2.29	0.5	1.8
Acetic (CH3COOH)	100	17.5	0.61	0.29	3.6	13.7
	78	13.7	0.78	0.37	2.8	10.6
	40	7	1.58	0.75	1.4	5.3
Phosphoric (H3PO4)	85	14.6	0.25	0.12	8.8	33.3
	40	6.9	0.52	0.25	4.2	15.9
	10	1.7	2.02	0.96	1.1	4.2
Hydrochloric (HCL)	40	12	0.92	0.44	2.4	9.1
	20	6	1.85	0.88	1.2	4.6
	10	3	3.71	1.76	0.6	2.3

KOLOR-SAFE® DRY ACID NEUTRALIZATION GUIDE						
Chemical ▼	Concentration		Volume (2 Lb. Neutralizes)		Approx. Amount Required To Handle 1 Gal. (3.785L) Acid Spill	
	% by Wgt	Molarity	Pints	Liters	Lbs.	Kg
Sulfuric (H2SO4)	98	18	0.99	0.47	16.1	7.3
	50	9.2	1.96	0.93	8.1	3.7
	10	1.8	10.03	4.75	1.6	0.7
Nitric (HN03)	68	15.8	2.28	1.08	7	3.2
	40	9.3	3.88	1.84	4.1	1.9
	10	2.3	15.72	7.44	1	0.5
Acetic (CH3COOH)	100	17.5	2.04	0.97	7.8	3.5
	78	13.7	2.62	1.24	6.1	2.8
	40	7	5.15	2.44	3.1	1.4
Phosphoric (H3PO4)	85	14.6	0.82	0.39	19.4	8.8
	40	6.9	1.73	0.82	9.2	4.2
	10	1.7	7.07	3.35	2.3	1
Hydrochloric (HCL)	40	12	3	1.42	5.3	2.4
	20	6	6.02	2.85	2.7	1.2
	10	3	12.04	5.7	1.3	0.6

KOLOR-SAFE® DRY HYDROFLUORIC ACID NEUTRALIZATION GUIDE						
Chemical ▼	Concentration		Volume (2 Lb. Neutralizes)		Approx. Amount Required To Handle 1 Gal. (3.785L) Acid Spill	
	% by Wgt	Molarity	Pints	Liters	Lbs.	Kg
Hydrofluoric (HF)	50	28.7	1.79	0.85	8.8	4
	20	11.5	4.47	2.12	3.5	1.6

KOLOR-SAFE® LIQUID BASE NEUTRALIZATION GUIDE						
Chemical ▼	Concentration		Volume (1 Qt. Neutralizes)		Approx. Amount Required To Handle 1 Gal. (3.785L) Base Spill	
	% by Wgt	Molarity	Pints	Liters	Gallons	Liters
Ammonium Hydroxide (NH4OH)	61.7 (30% NH3)	14.8	1.11	0.52	1.8	6.9
	42.2 (20% NH3)	9.8	1.66	0.78	1.2	4.6
	20.6 (10% NH3)	4.9	3.33	1.57	0.6	2.3
	10.3 (5% NH3)	2.4	6.65	3.15	0.3	1.2
Potassium Hydroxide (KOH)	50	13.4	1.24	0.59	1.6	6.1
	40	10.7	1.53	0.72	1.3	5
	20	5.3	2.85	1.35	0.7	2.7
	10	2.6	6.65	3.15	0.3	1.2
Sodium Hydroxide (NaOH)	50	19.2	0.86	0.41	2.3	8.8
	40	15.3	1.05	0.49	2	7.6
	30	11.5	1.42	0.67	1.5	5.7
	10	3.8	3.99	1.89	0.5	1.9
	10	3	3.71	1.76	0.6	2.3

KOLOR-SAFE® DRY BASE NEUTRALIZATION GUIDE						
Chemical ▼	Concentration		Volume (2 Lbs. Neutralizes)		Approx. Amount Required To Handle 1 Gal. (3.785L) Base Spill	
	% by Wgt	Molarity	Pints	Liters	Lbs.	Kg
Ammonium Hydroxide (NH4OH)	61.7 (30% NH3)	14.8	2	0.95	8	3.6
	42.2 (20% NH3)	9.8	3.04	1.44	5.3	2.4
	20.6 (10% NH3)	4.9	6.08	2.88	2.6	1.2
	10.3 (5% NH3)	2.4	12.46	5.9	1.3	0.6
Potassium Hydroxide (KOH)	50	13.4	2.21	1.05	7.2	3.3
	40	10.7	2.78	1.32	5.6	2.6
	20	5.3	5.64	2.67	2.8	1.3
	10	2.6	11.49	5.44	1.4	0.6
Sodium Hydroxide (NaOH)	50	19.2	1.54	0.73	10.4	4.7
	40	15.3	1.94	0.92	8.3	3.8
	30	11.5	2.59	1.23	6.2	2.8
	10	3.8	7.86	3.72	2	0.9
	10	3	12.04	5.7	1.3	0.6