

Dry Neutralizers for Acid Spills



Many aggressive liquid spills involve hazardous acids that require a way to render them safe for final clean up and disposal in accordance with local, state and federal regulations. KOLOR-SAFE® Acid Neutralizers meet this requirement. KOLOR-SAFE® products provide a unique 3- color change during the neutralization process to indicate when an acid has reached its “neutral” state.



Spilfyter Product Data Sheet

Dry Acid Neutralizer

Dry Formula Products:

- 440001 900 gr Shaker Bottle
- 440010 4.5 kg Bulk
- 440040 18 kg Bulk
- 470010 4.5 kg Bulk Hydrofluoric

HOW TO USE KOLOR-SAFE® DRY ACID NEUTRALIZERS:

1. Evacuate employees from the spill area.
2. Wear personal protective equipment compatible with chemicals involved.
3. Ventilate the contaminated area.
4. Contain the spill with universal sorbent material.
5. Slowly sprinkle or pour the acid neutralizer on the spilled acid.
6. **CAUTION:** Some **HEAT** or **GASSING OUT** may be generated.
7. The color change indicator changes from **LIGHT PURPLE** to **YELLOW** during neutralization. Color change must occur.
8. Apply dry acid neutralizer until the color change indicator first turns a purplish color (Orangish-pink with Phosphoric acid). Do Not Over-Neutralize. NOTE: Very concentrated solutions will yield solid precipitates before the color change.
9. Allow neutralized liquid to cool. Then soak up remaining neutralized liquid with sorbent materials and place used sorbents into temporary disposal containers.
10. Wipe up residue with non-woven cloth material.
11. Dispose of all used articles (sorbents, neutralized liquid, etc.) according to local, state and federal regulations.

NOTE: Depending on the extent of the clean-up process, additional equipment may be required.

CAUTION: Do not use KOLORSAFE® Dry Acid Neutralizer on any solution containing (in any form) hydrofluoric acid or hydrazine.



KOLOR-SAFE® Dry Acid Neutralizer is available by special order for use with hydrofluoric acid.



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KOLOR- SAFE® Dry Acid Neutralization Chart						
Acid	Concentration		Volume (1qt. Neutralizes)		Approx. Amount Required To handle 1gal. (3.785L)	
	% by Wgt	Molarity	Pints	Liters	Lbs.	Kg
Sulfuric (H ₂ S ₀₄)	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 (HN ₀₃)	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 (CH ₃ COOH)	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 (H ₃ PO ₄)	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
Hydrofluoric (HF)	50	28.7	1.79	0.85	8.8	4
	20	11.5	4.47	2.12	3.5	1.6

