

# Dry Neutralizers for Base/Alkaline Spills



NPS CORP

Many aggressive liquid spills involve hazardous bases that require a way to render them safe for final clean up and disposal in accordance with local, state and federal regulations. KOLOR-SAFE® Base Neutralizers meet this requirement. KOLOR-SAFE® products provide a unique 3-color change during the neutralization process to indicate when a base has reached its 'Neutral' state. Available in dry and liquid formulas

**Spilfyter Product Data Sheet: Dry Base Neutralizer**

**Dry Formula Products:**

450001 900 gr Shaker Bottle

450010 4.5 kg Bulk

450040 18 kg Bulk



## HOW TO USE KOLOR-SAFE® Dry BASE/ALKALINE 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 base neutralizer on the spilled caustic.  
**CAUTION: Some HEAT or GASSING OUT may be generated.**
6. The color change indicator changes from PURPLE to BLUE during neutralization. Color change must occur.
7. Apply **dry base neutralizer** until the color change indicator first turns a yellowish color. Do Not Over-Neutralize. **NOTE:** Very concentrated solutions will yield solid precipitates before the color change.
8. Allow neutralized liquid to cool.
9. Soak up remaining neutralized liquid with sorbent materials.
10. Place used sorbents into temporary disposal bags.
11. Wipe up residue with non-woven cloth material.
12. 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 Base Neutralizer on any solution containing (in any form) metallic nitrates, cyanides, sulfides, strong oxidizers, or hypochlorite (i.e. sodium/calcium) solutions since dangerous gases will be generated.



# Dry Neutralizers for Base/Alkaline Spills



KOLOR- SAFE® Dry Base/Alkaline Neutralization Chart						
Base	Concentration		Volume (900 gr Neutralizes)		Approx. Amount Required To handle 1 gal. (3.785L) Base/Alkaline Spill	
	% by Wgt	Molarity	Pints	Liters	Lbs.	kg
Ammonium	61.7 (30% NH <sub>3</sub> )	14.8	2	0.95	8	3.6
Hydroxide	42.2 (20% NH <sub>3</sub> )	9.8	3.04	1.44	5.3	2.4
(NH <sub>4</sub> OH)	20.6 (10% NH <sub>3</sub> )	4.9	6.08	2.88	2.6	1.2
	10.3 ( 5% NH <sub>3</sub> )	2.4	12.46	5.9	1.3	0.6
Potassium	50	13.4	2.21	1.05	7.2	3.3
Hydroxide	40	10.7	2.78	1.32	5.6	2.6
(KOH)	20	5.3	5.64	2.67	2.8	1.3
	10	2.6	11.49	5.44	1.4	0.6
Sodium	50	19.2	1.54	0.73	10.4	4.7
Hydroxide	40	15.3	1.94	0.92	8.3	3.8
(NaOH)	30	11.5	2.59	1.23	6.2	2.8
	10	3.8	7.86	3.72	2	0.9

