

# Liquid Neutralizer 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/Alkaline 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: Liquid Base/Alkaline Neutralizer**

**Liquid Formula Products:**

**(Particulate-free for clean-room applications and Sodium-free)**

430001 0.95 L Bottle

430004 3.78 L Bottle

430020 18.9 Liter Container

430055 208 L Drum

## HOW TO USE KOLOR-SAFE® LIQUID 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. For best results place universal sorbent pads on the spill to soak it up.
6. Slowly spray or pour the base neutralizer on the spilled caustic.

**CAUTION: Some HEAT or GASSING OUT may be generated.**

1. The color change indicator changes from RED to BLUE during neutralization. Color change must occur.
2. Apply **liquid base neutralizer until the color change indicator first turns a yellowish color.**  
Do Not Over-Neutralize.
3. Allow neutralized liquid to cool.
4. Soak up remaining neutralized liquid with sorbent materials.
5. Place used sorbents into temporary disposal bags.
6. Wipe up residue with non-woven cloth material.
7. 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® Liquid Base Neutralizer on any solution containing (in any form) metallic nitrates, cyanides, sulfides, strong oxidizers, or hypochlorite (sodium or calcium) solutions since dangerous gases will be generated.**



NPS Corporation, 3303 Spirit Way, Green Bay, WI 54304 USA,  
[www.spilfyter.eu](http://www.spilfyter.eu)

Tel: +1 920 983 9223 Fax: +1 920 983 9291

# Liquid Neutralizers for Base/Alkaline Spills



KOLOR- SAFE® Liquid Base/Alkaline Neutralization Chart						
	Concentration		Volume (0.95 L Neutralizes)		Approx. Amount Required To handle 1gal. (3.78 L) Base Spill	
Base	% by Wgt	Molarity	Pints	Liters	Gallons.	Liters
Ammonium	61.7 (30% NH <sub>3</sub> )	14.8	1.11	0.52	1.8	3.6
Hydroxide	42.2 (20% NH <sub>3</sub> )	9.8	1.66	0.78	1.2	4.6
(NH <sub>4</sub> OH)	20.6 (10% NH <sub>3</sub> )	4.9	3.33	1.57	0.6	2.3
	10.3 ( 5% NH <sub>3</sub> )	2.4	6.65	3.15	0.3	1.2
Potassium	50	13.4	1.24	0.59	1.6	6.1
Hydroxide	40	10.7	1.53	0.72	1.3	5.0
(KOH)	20	5.3	2.85	1.35	0.7	2.7
	10	2.6	6.65	3.15	0.3	1.2
Sodium	50	19.2	0.86	0.41	2.3	8.8
Hydroxide	40	15.3	1.05	0.49	2.0	7.6
(NaOH)	30	11.5	1.42	0.67	1.5	5.7
	10	3.8	3.99	1.89	0.5	1.9

