

# Liquid 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.

## HOW TO USE KOLOR-SAFE® LIQUID 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. For best results place universal sorbent pads on the spill to soak it up.
6. Slowly spray or pour the acid neutralizer on the contained spilled acid.  
**CAUTION: Some HEAT or GASSING OUT may be generated.**
7. The color change indicator changes from PURPLE to YELLOW during neutralization.
8. Apply **liquid acid neutralizer** until the color change indicator first turns a reddish color.
9. Allow neutralized liquid to cool.
10. Soak up remaining neutralized liquid with sorbent materials.
11. Place used sorbents into temporary disposal containers.
12. Wipe up residue with non-woven cloth material.
13. 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.

## Spilfyter Product Data Sheet

Liquid Acid Neutralizer

### Liquid Formula Products:

(Particulate-Free for cleanroom applications and Sodium-free)

410001 0.95 L Bottle

410004 3.78 L Bottle

410020 18.9 Liter Jug

410055 Drum, 108 Liters



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KOLOR- SAFE® Liquid Acid Neutralization Chart						
Acid	Concentration		Volume (1qt. Neutralizes)		Approx. Amount Required To handle 1gal. (3.785L)	
	% by Wgt	Molarity	Pints	Liters	Gallons	Liters
Sulfuric (H <sub>2</sub> S <sub>04</sub> )	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 (HN <sub>03</sub> )	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 (CH <sub>3</sub> COOH)	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 (H <sub>3</sub> PO <sub>4</sub> )	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

