

# PIG Acid Encapsulating and Neutralizing Absorbents

## General Guidelines

1. Wear appropriate personal protective equipment (PPE) prior to responding to the spill.
2. The absorbent contained in the PIG Acid Encapsulating & Neutralizing Mat Pad will absorb more liquid than the volume of the absorbent, causing it to expand in volume during neutralization.
3. **Mats** – Can be placed directly on the spilled liquid for immediate response.  
**Socks/Pillows** – Make sure the filler contained in socks and pillows is evenly distributed before placing the absorbent on the spill. If the filler bunches inside the absorbent at one end, it will still function, but it will take longer to absorb and neutralize the spill.  
**Loose** – Sprinkle in a circle around the spill to contain and begin to absorb and neutralize the acid. Working from the outside inward, gently pour the absorbent onto the rest of the spilled acid until it is completely covered.
4. Absorbents contain a color indicator that identifies the concentration of acid in the spill and monitors the progression of the neutralization:  
**RED:** Highly acidic (normally only seen with the most concentrated acids)  
**YELLOW:** Slightly Acidic  
**PURPLE:** Non-Acidic  
 If the yellow color remains evident, carefully add small quantities of water to the absorbent. Mix thoroughly until a constant, uniform purple color is evident.
5. Neutralization will generate some heat and gas emissions. Amounts will vary depending on the chemical concentration, volume/size and location of spill. Rise in temperature will be less when surface area is larger.

**Caution:** PIG Acid Neutralizing Absorbents are not recommended for use on hydrofluoric acid. Avoid contact with fluorine and 2, 4, 6-trinitrotoluene. Contact with food products containing sugars may form carbon monoxide gas.

**Note:** Appropriate personal protective equipment (PPE) should be worn when treating any hazardous spilled liquid. Store products in a cool, dry and well-ventilated area, away from moisture.

**Disposal Notice:** Dispose materials in compliance with local, state, federal or country regulations.

For additional questions or information, contact New Pig Technical Services at 1-800-HOT-HOGS (468-4647).

PIG Acid Encapsulating and Neutralizing Absorbent Ratios

		Loose Absorbents						Pillows & Socks		Mat Pads	
		2 lb. Shaker Bottle		8 lb. Container		40 lb. Container		Ounce	Gallon	Ounce	Gallon
	% Concentration	Ounce	Gallon	Ounce	Gallon	Ounce	Gallon	Ounce	Gallon	Ounce	Gallon
Sulfuric	50%	25.60	0.20	102.40	0.80	512.00	4.00	19.20	0.15	0.70	0.01
	10%	76.64	0.60	306.56	2.40	1532.80	11.98	57.49	0.45	2.11	0.02
Nitric	68%	30.72	0.24	122.88	0.96	614.40	4.80	23.04	0.18	0.85	0.01
	40%	51.20	0.40	204.80	1.60	1024.00	8.00	38.40	0.30	1.41	0.01
	10%	102.24	0.80	408.96	3.20	2044.80	15.98	76.69	0.60	2.82	0.02
Acetic	100%	20.48	0.16	81.92	0.64	409.60	3.20	15.36	0.12	0.56	0.00
	78%	30.72	0.24	122.88	0.96	614.40	4.80	23.04	0.18	0.85	0.01
	40%	51.20	0.40	204.80	1.60	1024.00	8.00	38.40	0.30	1.41	0.01
Phosphoric	40%	27.84	0.22	111.36	0.87	556.80	4.35	20.88	0.16	0.77	0.01
	10%	76.64	0.60	306.56	2.40	1532.80	11.98	57.49	0.45	2.11	0.02
Hydrochloric	40%	30.72	0.24	122.88	0.96	614.40	4.80	23.04	0.18	0.85	0.01
	20%	51.20	0.40	204.80	1.60	1024.00	8.00	38.40	0.30	1.41	0.01
	10%	102.24	0.80	408.96	3.20	2044.80	15.98	76.69	0.60	2.82	0.02



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