



Johnson
Screens

A brand of
Aqseptence Group

Neutralizer Nu-Well 600 pH Neutralizing Agent



Description

Neutralizer is a food grade, powdered alkali (base) designed for the neutralization of acidic solutions while limiting the generation of harmful vapors or byproducts.

Application

Neutralizer reacts spontaneously with acid solutions, raising the overall pH of the solution. The reaction of **Neutralizer** and an acid produces a salt and carbonic acid, which readily decomposes to carbon dioxide and water as the final reaction products. When the bubbling stops, the reaction is complete and the acid solution can be disposed of. Keep the area well ventilated during the neutralization process.

1. Dissolve **Neutralizer** in a holding vessel with water
2. Add the acidic solution slowly into the vessel until the fizzing stops
3. Discharge to an approved outlet
4. If additional neutralization is needed, blend **Neutralizer** with water and slowly add it into the vessel, limiting splashing

For spills, neutralize the acid by pouring the raw **Neutralizer** powder over the spills until the fizzing stops

Physical properties, shipping and handling

Appearance: White to opaque coarse crystal

Density: Approximately 70 lb./ft.³

pH (as shipped): 8.3 at 77° F

- Odorless, has a bitter, salty taste
- Highly soluble in water, can be separated from water through evaporation
- Decomposes at temperatures above 50°C
- CAS No. 144-55-8
- Available in 50 lbs. containers

Amount of Neutralizer needed to neutralize acid removed from well

Batch Volume (gal.)	Batch Volume (l)	For Nu-Well 130 (lbs.)	For Nu-Well 130 (kg)	For Nu-Well 120 (lbs.)	For Nu-Well 120 (kg)	For Nu-Well 110 (lbs.)	For Nu-Well 110 (kg)
50	190	11	5	34	16	33	15
100	380	22	10	68	31	65	30
500	1900	110	50	342	156	326	149
1000	3800	220	100	684	312	652	297

*This table assumes standard acid treatments were used.

Example

Neutralize a 1,000 gal. tank with discharge of an acid solution of **Descal Heavy NW-130**

Step 1

Dissolve 220 lbs. of **Neutralizer** in enough water to form a solution

Step 2

Pump acid from well into the holding tank and hold until fizzing stops and the water is neutral

Step 3

Discharge in accordance to local regulations

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