



Dilution Control Conversion Chart

Concentrated chemicals need to be diluted before being put into use. Use the chart below to determine how much water to add:

Quarts		Gallons		5 Gallons		24 oz. Trigger Spray Bottle	
To make a quart of solution use the following table		To make a gallon of solution use the following table		To make 5 gallons of solution use the following table		To make 24 oz. of solution use the following table	
Dilution Ratio	Add this amount of concentrate	Dilution Ratio	Add this amount of concentrate	Dilution Ratio	Add this amount of concentrate	Dilution Ratio	Add this amount of concentrate
1:4	6.5 oz.	1:4	25.5 oz.	1:4	128 oz. (1 Gal)	1:4	4.75 oz.
1:10	3 oz.	1:10	11.5 oz.	1:10	59 oz.	1:10	2.25 oz.
1:12	2.5 oz.	1:12	10 oz.	1:12	50 oz.	1:12	1.75 oz.
1:15	2 oz.	1:15	8 oz.	1:15	40 oz.	1:15	1.5 oz.
1:20	1.5 oz.	1:20	6 oz.	1:20	31 oz.	1:20	1 oz.
1:32	1 oz.	1:32	4 oz.	1:32	20 oz.	1:32	0.75 oz.
1:40	0.8 oz.	1:40	3 oz.	1:40	16 oz.	1:40	0.6 oz.
1:50	0.6 oz.	1:50	2.5 oz.	1:50	13 oz.	1:50	0.5 oz.
1:64	0.5 oz.	1:64	2 oz.	1:64	10 oz.	1:64	0.33 oz.
1:128	0.25 oz.	1:128	1 oz.	1:128	5 oz.	1:128	0.2 oz.
1:256	0.12 oz.	1:256	0.5 oz.	1:256	3 oz.	1:256	0.1 oz.
1:512	0.065 oz.	1:512	0.25 oz.	1:512	1 oz.	1:512	0.05 oz.

Conversion Chart

- 1 Gallon = 128 Ounces
- 1 Quart = 32 Ounces
- 1 Pint = 16 Ounces
- 1 Cup = 8 Ounces
- 1 Ounce = 1/8 Cup
- 2 Cups = 1 Pint
- 2 Pints = 1 Quart
- 4 Quarts = 1 Gallon

Tips:

The smaller number in the ratio is the parts of concentrate, while the larger number is the number of parts of water.

When mixing cleaners, you may find it helpful to fill your container with the proper amount of water, then add the concentrate followed by thoroughly mixing the solution. If you add the water to the concentrate, you may generate a large amount of foam.

Determining End Use Cost:

To determine the end-use cost from concentrate, divide the cost per gallon by the diluted quantity. For example, you pay \$12.50 for a gallon of cleaning concentrate, and it has a 1:32 dilution. 1:32 yields 33 gallons of product (32 gallons of water plus 1 gallon of concentrate). $\$12.50 \div 33 = \0.37 per ready to use gallon. To determine cost per quart, divide the ready to use cost by four (4 qts/gal).

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