## DILUTIONS

How to Mix your Cleaning and Disinfection Solutions

Knowing your dilution ratio is important when mixing concentrated liquid cleaning/disinfecting products with water before use. The smaller the number in the ratio the larger the amount of product you will need to use to achieve correct mixing and the "stronger" the solution will be. Remember to always follow the directions on the label of the product. Keep handy a measuring cup labeled for ounces or cups and the amount that you usually use for easy measuring.

## Dilution chart

| Dilution ratio | Spray bottle (24 oz.) | 1-Quart container (32 oz.) | 1-Gallon container (128 oz.) | 5-Gallon container (640 oz.) |
| :---: | :---: | :---: | :---: | :---: |
| 1:10 | $21 / 2 \mathrm{oz}$. | 3 oz . | 13 oz . | 64 oz . (8 cups) |
| 1:15 | $1 \mathrm{1/2} \mathrm{oz}$. | 2 oz . | $81 / 2 \mathrm{oz}$. | 43 oz .( $51 / 3 \mathrm{cups}$ ) |
| 1:20 | 1 oz . | 1 1/2 oz. | 6 1/2 oz. | 32 oz . (4 cups) |
| 1:32 | 3/4 oz. | 1 oz . | 4 oz . | 20 oz (2 1/2 cups) |
| 1:51 | 1/2 oz. | 3/4 oz. | 2 1/2 oz. | $12 \mathrm{t} / 2 \mathrm{oz}$. |
| 1:64 | 1/3 oz. | 1/2 oz. | 2 oz . | 10 oz . (1 1/4 cups) |
| 1:85 | 1/4 oz. | 1/3 oz. | $11 / 2$ oz. | $71 / 2 \mathrm{oz}$. |
| 1:128 |  | 1/4 oz. | 1 oz . | 5 oz . |
| 1:200 |  |  | 2/3 oz. | 3 oz . |
| 1:256 |  |  | 1/2 oz. | $21 / 2 \mathrm{oz}$. |

Mix by adding the water first and then adding the concentrated solution of your product. This will help to prevent accidental back splash of concentrated product on to your hands or clothes. Consider wearing gloves, smock and eye protection when mixing chemicals to prevent injury in case of a spill.

## Conversion Chart

|  | Quarts | Pints | Cups | Ounces | Tablespoons |
| :--- | :--- | :--- | :--- | :--- | :--- |
| One gallon | 4 quarts | 8 pints | 16 cup | 128 oz. | 256 Tbs. |
| One quart |  | 2 pints | 4 cups | 32 oz. | 64 Tbs. |
| One pint |  |  | 2 cups | 16 oz. | 32 Tbs. |
| One cup |  |  |  | 8 oz. | 16 Tbs. |
| One ounce |  |  |  |  | 2 Tbs. |

Note: one tablespoon equals three teaspoons.

