

# Chemical Dilution Rate Guide

## How much chemical do I need to add?

*For dilution ratios greater than 1:20, industry accepted rounded-off figures are given.*

| Dilution Rate Ratio | % of Chemical Required | Total RTU (ready to use) solution required |               |               |               |
|---------------------|------------------------|--|---------------|---------------|---------------|
|                     |                        | 1Lt  | 5Lt           | 10Lt          | 20Lt          |
| <b>1:1</b>          | 50%                    | <b>500ml</b>                               | <b>2.5Lt</b>  | <b>5Lt</b>    | <b>10Lt</b>   |
| <b>1:2</b>          | 33%                    | <b>333ml</b>                               | <b>1.67Lt</b> | <b>3.3Lt</b>  | <b>6.6Lt</b>  |
| <b>1:4</b>          | 20%                    | <b>200ml</b>                               | <b>1Lt</b>    | <b>2Lt</b>    | <b>4Lt</b>    |
| <b>1:5</b>          | 17%                    | <b>166ml</b>                               | <b>833ml</b>  | <b>1.66Lt</b> | <b>3.3Lt</b>  |
| <b>1:9</b>          | 10%                    | <b>100ml</b>                               | <b>500ml</b>  | <b>1Lt</b>    | <b>2Lt</b>    |
| <b>1:10</b>         | 9%                     | <b>90ml</b>                                | <b>454ml</b>  | <b>910ml</b>  | <b>1.8Lt</b>  |
| <b>1:16</b>         | 6%                     | <b>60ml</b>                                | <b>300ml</b>  | <b>590ml</b>  | <b>1.18Lt</b> |
| <b>1:20</b>         | 5%                     | <b>50ml</b>                                | <b>250ml</b>  | <b>500ml</b>  | <b>1Lt</b>    |
| <b>1:32</b>         | 3%                     | <b>30ml</b>                                | <b>150ml</b>  | <b>300ml</b>  | <b>600ml</b>  |
| <b>1:40</b>         | 2.5%                   | <b>25ml</b>                                | <b>125ml</b>  | <b>250ml</b>  | <b>500ml</b>  |
| <b>1:50</b>         | 2%                     | <b>20ml</b>                                | <b>100ml</b>  | <b>200ml</b>  | <b>400ml</b>  |
| <b>1:64</b>         | 1.5%                   | <b>15ml</b>                                | <b>75ml</b>   | <b>150ml</b>  | <b>300ml</b>  |
| <b>1:80</b>         | 1.25%                  | <b>12ml</b>                                | <b>62ml</b>   | <b>125ml</b>  | <b>250ml</b>  |
| <b>1:100</b>        | 1%                     | <b>10ml</b>                                | <b>50ml</b>   | <b>100ml</b>  | <b>200ml</b>  |
| <b>1:120</b>        | 0.8%                   | <b>8ml</b>                                 | <b>40ml</b>   | <b>80ml</b>   | <b>160ml</b>  |
| <b>1:200</b>        | 0.5%                   | <b>5ml</b>                                 | <b>25ml</b>   | <b>50ml</b>   | <b>100ml</b>  |
| <b>1:250</b>        | 0.4%                   | <b>4ml</b>                                 | <b>20ml</b>   | <b>40ml</b>   | <b>80ml</b>   |
| <b>1:300</b>        | 0.3%                   | <b>3ml</b>                                 | <b>17ml</b>   | <b>33ml</b>   | <b>66ml</b>   |
| <b>1:600</b>        | 0.15%                  | -  | <b>8ml</b>    | <b>17ml</b>   | <b>33ml</b>   |
| <b>1:800</b>        | 0.125%                 | -  | <b>6ml</b>    | <b>13ml</b>   | <b>25ml</b>   |
| <b>1:1000</b>       | 0.1%                   | -  | <b>5ml</b>    | <b>10ml</b>   | <b>20ml</b>   |
| <b>1:1200</b>       | 0.08%                  | -  | <b>4ml</b>    | <b>8ml</b>    | <b>17ml</b>   |

Always add water first and then chemical to avoid any splashes of concentrate and follow all chemical handling guidelines. Wear gloves, goggles and personal protection equipment as required. Read and understand the Safety Data Sheet (SDS) & Product Info Sheet (PIS) of your chemicals before use.