

| Temperature of action                            | 5°C (41°F) |       | 10°C (50 °F) |       | 20°C (68°F) |       | 40°C (104°F) |       |
|--|------------|-------|--------------|-------|-------------|-------|--------------|-------|
| <b>Application concentration (%) as PAA 100%</b> | 0.01       | 0.025 | 0.01         | 0.025 | 0.01        | 0.025 | 0.01         | 0.025 |
| <b><u>Gram-positive bacteria</u></b>             |            |       |              |       |             |       |              |       |
| Staph. Aureus                                    | 5          | 3     | 3            | 2     | 2           | 1     | 1            | 0.5   |
| Strept. faecalis                                 | 3          | 3     | 3            | 2     | 2           | 1     | 1            | 0.5   |
| <b><u>Gram-negative bacteria</u></b>             |            |       |              |       |             |       |              |       |
| Enterobacter aerogenes                           | 1          | 1     | 1            | 1     | 1           | 1     | 1            | 0.5   |
| Ps. aeruginosa                                   | 3          | 1     | 2            | 1     | 1           | 0.5   | 1            | 0.5   |
| Salmonella types                                 | 3          | 2     | 3            | 2     | 2           | 2     | 1            | 1     |
| <b><u>Yeasts</u></b>                             |            |       |              |       |             |       |              |       |
| Sacch. cerevisiae                                | 20         | 10    | 10           | 5     | 3           | 1     | 1            | 0.5   |
| Cand. Mycoderma                                  | 120        | 40    | 90           | 40    | 40          | 10    | 3            | 1     |
| <b><u>Molds</u></b>                              |            |       |              |       |             |       |              |       |
| Penicillium cameronense                          | >120       | 90    | >120         | 90    | 20          | 10    | 3            | 1     |
| Asp. Niger                                       | >240       | >240  | >240         | >240  | 90          | 60    | 10           | 5     |
| Mucor spec.                                      | >240       | >240  | >240         | >240  | 20          | 5     | 3            | 1     |
| <b>Application concentration (%) as PAA 100%</b> | 0.025      | 0.05  | 0.025        | 0.05  | 0.025       | 0.05  | 0.025        | 0.05  |
| <b><u>Sporulators</u></b>                        |            |       |              |       |             |       |              |       |
| Bac. cereus                                      | >60        | >60   | >60          | >60   | >60         | 60    | 40           | 10    |
| Bac. subtilis                                    | >60        | 40    | >60          | >60   | >60         | 60    | 40           | 10    |
| Bac. mesentericus                                | >60        | 40    | >60          | 40    | 10          | 5     | 10           | 1     |
| Thermophile sporulators                          | >60        | 40    | 40           | 40    | 20          | 5     | 5            | 2     |
| Clostridium perfringens                          | >60        | 10    | >60          | 10    | 20          | 5     | 2            | 1     |

Kill times in minutes (suspension method) with colony counts of  $10^7$  and  $10^8$  per mL of inoculum.