


# EPA Registered Hard Surface Disinfectants Comparison Chart

|   | SPORCIDIN  | BENEFACT  | VIREX 256   | PURE GREEN 24  | BLEACH   | HYDROGEN PEROXIDE  |    |
|---|--|---|---|--|--|--|---|
| Chemical                                  | Phenol   | Botanicals  | Quat  | Silver Dihydrogen Citrate                                      | Hypochlorite   | Hydrogen Peroxide  | Stabilized Chlorine Dioxide   |
| PPE Required?                             | Protection Required  | Not Required  | Protection Required   | Proceed with Caution   | Protection Required  | Not Required   | Not Required  |
| EPA Toxicity Rating                       | 4  | 4   | 3   | 4  | 1  | 4  | 4   |
| Fragrance                                 | Odor   | Odor  | Odor  | Fragrance-free   | Odor   | Odor   | Fragrance-free  |
| Shelf Life                                | 4 Years  | 2 Years   | 3 Years   | No Expiration Required   | 1 Year   | 2 Years  | 2 Years   |
| Residue                                   | No   | No  | Yes   | No   | Yes  | No   | No  |
| Rinse Required                            | No   | No  | No  | No   | Yes  | Yes  | No  |
| NSF Certified                             | No   | No  | No  | No   | No   | No   | Yes   |
| Corrosive?                                | No   | No  | Yes   | No   | Yes  | Yes  | No  |
| Flammable?                                | No   | No  | Combustible Liquid  | No   | Yes  | No   | No  |
| PH Level                                  | 7.5 - 8.5  | 4.0 - 5.0   | 10.2  | 2  | 12.6   | 1 - 5  | 8.5   |
| Residual Kill?                            | Yes  | Yes   | Yes   | Yes  | No   | Yes  | Yes   |
| How does this compare with Aseptic Plus+? | Relatively safe, though not as environmentally friendly as Aseptic Plus+ and has a stronger odor | For use on hard surfaces, not on porous surfaces such as carpet | Recent studies show quats are leading to biological resistance in germs | For use on hard, non-porous surfaces in children's environment | Reacts with surfaces and agents on surfaces —quickly deactivated in bioburden. Strong irritant | Not good at addressing heavy bioloads resulting in strong odor | Chemical molecule smaller than germ, unique gas inside molecule reaches all surfaces. Selective molecule reacts only with what it needs to. |

