

## Disinfectant Comparison Table

Comparing Chlorine bleach, Quaternary Ammonium Compounds (Quats) and Hypochlorous Acid (HOCL).

PPF Disinfect is made only of Hypochlorous Acid (HOCL).

	<b>Chlorine Bleach</b>	<b>Quats</b>	<b>HOCL</b>
Effectiveness	Varies	Varies	99.9999% <sup>1</sup>
Speed of kill	Minutes	Minutes	Seconds
pH	13	13	6.5-7
Astmagen	Yes <sup>2</sup>	Yes <sup>3</sup>	No
PPE Required	Yes	Yes	No
Fragrance & dyes – synthetic	Yes	Yes	No
Needs a rinse	Yes	Yes	No
Safe around children, adults and animals	No	No	Yes
No rinse food contact sanitiser	No	No	Yes
Mouth wash & eye rinse	No	No	Yes
Can leave harmful residues behind	Yes	Yes	No
Use as hand sanitiser	No	No	Yes
Can cause superbug formation by the mode of killing microbes	Yes	Yes	No

Examples	Clorox, Domestos, Bleach, chlorine tablets	DC10, Zoflora, Dettol, antiseptic disinfectants	PPF Disinfect
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1 HOCL is 80-100 times more effective than bleach

2 Can exacerbate respiratory issues

3 Can cause primary asthma with one exposure , AOEC List

Symbols found on chlorine bleach and Quats based products include:



There are no hazard symbols for PPF Disinfect HOCL. It is harmless and only kills bacteria and viruses.