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## PRODUCT INFORMATION

# DISINFECTANT 01

- BASE** : Quaternary ammonium compounds
- APPLICATION** : Works as Disinfectants, Cleaner and Fungicidal/Algicidal/ Virucide for home , hotel/motel, commercial building, restaurant, industrial/manufacturing, food processing etc.
- ADVANTAGE** :
- Effective disinfectant against 99.9% Bacteria, Algae, Yeast/Moulds and Pathogen including HIV-1, VRE, MRSA, GRSA, MRSE, VISA, PRSP, Herpes Simplex Types 1&2, Influenza Type A2, Adenovirus, Rotavirus and many more.
  - Kills the organisms that cause odors and works as an odor counteractant to further eliminate odors not associated with bacteria
  - Highly concentrated quaternary formula provides excellent one-step, cost-effective cleaning and disinfection with No Rinse required
  - Non-Corrosive , Gentle on Skin.

### TYPICAL

- PROPERTIES** :
- Appearance** : Water clear solution
  - Viscosity** : Below 100 cps @ 28°C  
(Brookfield RVT 1 /5)
  - Active content:** 13.0 – 17.0 %.
  - pH** : 6.0 – 8.0
  - Odour** : Non-Odour to mild citric
  - Diluents** : Water
  - Dilution** : 1: 150 – 250 (Active content 0.1 – 0.06%)  
All surfaces must remain wet for minimum 10 minutes. Lower dilution will shorten the efficient contact time.



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**STORAGE LIFE** : 12 months in cool dry place

**SAFETY** : **DO NOT USE WITHOUT DILUTION.** During dilution, Wear rubber or other non-porous boots, gloves, and eye protection. Please refer to S.D.S. for details.

### Reference :

**Interim List of Household Products and Active Ingredients for Disinfection of the COVID-19 Virus – Singapore National Environment Agency**

*Revised on 20 April 2020*

*First released on 04 February 2020*

**Table 1. Active Ingredients and Their Working Concentrations Effective Against Coronaviruses**

S/N	Active Ingredient (A.I.)	Contact Time (min)
1	Accelerated hydrogen peroxide <sup>#</sup> (0.5%) <sup>a</sup>	1
2	<b>Benzalkonium chloride* (0.05%)<sup>g</sup></b>	<b>10</b>
3	Chloroxylenol (0.12%) <sup>c</sup>	10
4	Ethyl alcohol (70%) <sup>d</sup>	10
5	Iodine in iodophor (50 ppm) <sup>b</sup>	10
6	Isopropanol (50%) <sup>b</sup>	10
7	Povidone-iodine (1% iodine) <sup>d</sup>	1
8	Sodium hypochlorite (0.05 – 0.5%) <sup>d, e</sup>	5
9	Sodium chlorite (0.23%) <sup>b</sup>	10

Source :

<https://www.nea.gov.sg/our-services/public-cleanliness/environmental-cleaning-guidelines/guidelines/interim-list-of-household-products-and-active-ingredients-for-disinfection-of-covid-19>

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