

Alcohol free disinfectant

Ethanol and Isopropanol based disinfectants are widely used. In some cases, the use of alcohol might be undesired and one example is when using alcohol based disinfectants long-term and frequently in that it can cause skin irritation.

Arquad MCB (Benzalkonium Chloride) has been found to be effective in the hand sanitation application and indications from tests are also that Arquad MCB can present a lasting anti-microbial effect (Environmental Health Journal, 2016, Song et al).



Disinfectant gel, formulated as per below, allowed to run down a vertical surface



Appearance of ready-made disinfectant gel

Formulation:

Arquad MCB-50	0.25 % (w/w, 0.13% active)
Glycerol (optional)	0.5 % (w/w)
Bermocoll Prime 1000	0.7 % (w/w)
Water	to 100 %

Procedure: To a mixture of Arquad MCB-50 and Glycerol in water, Bermocoll Prime 1000 is added. The mixture is allowed to stir until complete Bermocoll dissolution.

Bermocoll Prime 1000 ratio can be varied to reach the desired rheological properties. Furthermore, as noted above the Bermocoll Prime 1000 is a cellulose based thickener which gives it water/moisture-retaining properties.

Please contact your sales representative for inquires and sample!



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