**ABSTRACT**

This invention relates to the Chemical Composition suitable for impregnation via spraying on disposal surgical masks and sleeved gowns made from hydrophilic and hydrophobic materials to inactivate bacteria and viruses, comprising of colloidal silver nanoparticles, Isopropanol Alcohol/ Ethanol Alcohol Chlorhexidine/Quaternary Ammonium Compound, Peppermint/ Spearmint Essential oils and water.