



GUDILINES FOR METHOD OF ADMINISTRATION OF 3% HYDROGEN PEROXIDE FOR DISINFECTION

Hydrogen peroxide is a widely used antimicrobial chemical. Its advantages include its potent and broad-spectrum antimicrobial activity, flexibility in use, and safety profile in comparison to other microbicides. Hydrogen peroxide processes have become popular alternatives to other chemical and physical based antimicrobial methods due to its rapid efficacy, low temperature, compatibility with surface materials and limited toxicity concerns and higher biodegradability.

1. 3% Hydrogen peroxide is used as a disinfectant by spraying 0.5 to 1.0 litre per 10 m² area with minimum contact time of 5-10 minutes for effective results.
2. It can be sprayed by small spraying equipment (Spray Bottle, Hand-spray, Battery operated spray and Agro spray etc.) of 200ml to 20 litres capacity without addition of any other chemicals or water.
3. The large containers of 5 KL and more can also be used as reservoir for spraying the 3% Hydrogen peroxide. The Bitumen Sprayer (if made up of SS) can also be used for spraying it on Road.
4. The preferred material of these containers shall be of PP, HDPE or Stainless-steel material. In case, any other material such as brass or MS is used, the decomposition of Hydrogen peroxide may start and the container may get pressurised.
5. All the application vessels or containers, pipes, pumps used for spraying 3% Hydrogen Peroxide should be finally rinsed with water before retiring.
6. Spraying should be carried out with proper PPEs (i.e. Hand-gloves, Safety Goggles and Helmet etc.)
7. 3% Hydrogen Peroxide is supplied in bulk in tankers or in 50 kgs carboys ready to use.