

Enviroguard™-HP

Aerial Fumigant , Surface & Water disinfectant Solution

About Enviroguard-HP

Enviroguard HP is a clear solution & complex formulation of processed Silver, a noble metal and highly concentrated Hydrogen Peroxide. The Hydrogen Peroxide component ensures a rapid germ killing effect and the silver component ensures that the effect is long-lasting. Silver is known for its cold sterilization. The effect of the two components is multiplied by a special manufacturing process of ENVIROGUARD HP giving a synergistic effect

Enviroguard HP has rapid and thorough germ killing effect even from low to high temperatures. Enviroguard HP generates neither smell nor taste, has no toxic effect, does not effect the pH value and causes no corrosion. Enviroguard HP when used as per the guidelines causes no irritation to the eyes, skin or mucous membrane.



Enviroguard HP is non-polluting. Its main component Hydrogen peroxide does not pollute the effluent, as only Oxygen and water are formed. $H_2O_2 - H_2O + O$ (nascent form). In other words, no harmful by products are produced when it decomposes. The silver is well below 180 micrograms / person / day permitted by W.H.O. Therefore it is safe for both human as well as animal life.

A Colorless, Odorless disinfectant that is practically non-toxic. Effective against all sorts of gram positive bacteria, fungi, yeast spores, viruses and biofilms.

Composition:

0.01% w/v Silver Nitrate IP

10% w/v Hydrogen peroxide IP

Activity

**Broad Spectrum : Bactericidal, Fungicidal
Virucidal, Sporicidal & Mycobactericidal**



Feature & Benefits

- Safe & eco friendly
- No residue
- Kill all pathogens including spores
- 1 hour only required to sterilize ot
- Can be used to mop ot surfaces as well
- Excellent surface & material compatibility
- Hazard free packing
- Totally chlorine free
- No alteration to taste of food / substance
- Non-pollutant & bio-degradable
- Non-Carcinogenic & Non-mutagenic
- Good stability in storage
- Non-staining
- Non-flammable
- Does not change pH
- Long lasting effect
- No resistance developed
- Effective over wide pH range

Applications

• Enviroguard HP has a very wide range of application and can be used wherever halogens, aldehydes, phenols, quats are being used. Additionally it can be used in cases where halogenous substance have previously been feared to add their peculiar flavour, change in taste and the formation of chemical compounds with the basic elements amongst others, Enviroguard HP has been found very effective.

Applications of ENVIROGUARD HP

Surface Disinfection	Enviroguard HP can be used for disinfecting the tanks, manufacturing equipments, pipelines and containers @ 1% to 2% contact time 2 to 5 min.
Floor & Walls	Mopping of floors & walls @ 1% to 2%, contact time 2 to 5 min.
Indoor Air Quality (IAQ)	To maintain the IAQ of manufacturing filling, packing & raw material storages areas. Enviroguard HP add 20ml with 80ml DM water for 1500 cubic ft. area.
Filter Sterilization	Inclusive of R.O. plants, D.M. Plants, Sand, Carbon & Cartridge @ 200 ppm to 500 ppm conc.
Water Disinfection	Enviroguard HP when added to raw water @ 40 ppm-50 ppm makes water disinfected. Enviroguard HP when added to products water @ 10-15 ppm make water disinfected. Enviroguard HP treated water should then be passed through R.O. Plant or D.M. Plant.
General Disinfection	Enviroguard HP can be used for hand, feet and gloves disinfection @ 0.1%
Laundry Disinfection	For Aprons, trouser, caps, linen etc. @ 200 ppm
Drainage Disinfection	@ 1-2% Solution of Enviroguard HP

Medical :

- Hospital and laboratories for aerial fumigation in critical areas such as O.T., maternity units and other clean areas.
- To kill resistant strains like MRSA & VRE
- To reduce pathogen load and ensure reduction of nonsocomial infections
- Water and surface disinfection
- Regular disinfection in sensitive research and quality control areas

Industry :

- In pharmaceutical, food and dairy industry as a surface disinfectant
- For aerial fumigation in manufacturing R&D and QA/QC areas

Pack Size
1000 ml
5000 ml

USAGE DIRECTION
Aerial Fumigation : Use 1:5 Enviroguard HP i.e 20ml Enviroguard HP + 80ml DM water
Surface Disinfection : Use 1:20 Enviroguard HP i.e 5ml Enviroguard HP + 95ml DM water
Water Disinfection : Use 15 to 10 ppm