

ECOSTERIL PLUS

ECOSTERIL PLUS is complex of silver ion and hydrogen peroxide. It's having synergistic effect which destroys all microorganisms. ECOSTERIL PLUS is an eco-friendly, non-toxic, disinfectant for It is having fast biocidal activity with Bactericidal, Virucidal (Incl HIV and HBV), Tuberculocidal, Fungicidal and Sporicidal action.

The microbiocidal effect of ECOSTERIL PLUS is rapid even from low to high temperatures. It does not generate smell and taste, has no toxic effect, causes no corrosion. Hydrogen Peroxide does not pollute the effluent, as only Oxygen and water are formed upon degradation. In other words, no harmful by-products are produced when it decomposes. The silver level is well below 180 micrograms / person / day permitted by W.H.O. Therefore it is safe for both human as well as animal life.

ECOSTERIL PLUSE CONTAINS

Hydrogen Peroxide	48.0%
Silver	0.05% (500ppm)

APPLICATIONS:

MEDICAL

It is used for critical area fumigation and surface disinfections in Operation Theaters, ICUs, Wards, polyclinics, dental clinics, OPDs, Blood Banks, clinical/diagnostic laboratories etc.

HOSPITALS:

- Sterilization of Surgical Instruments
- Sterilization of Linen, etc.
- Disinfection of wall & floor
- Diagnostic & Research Labs, Operation
- Theatre, Sterile Rooms and Dispensaries.
- Blood Banks
- IAQ (Indoor Air Quality)
- Dental Products / Mouth Wash.

INDUSTRIAL & AGRICULTURE

ANIMAL FARMS:

- Poultry Farms
- Horse Stables
- Zoo
- Cattle farm
- Fish Docks, Sweet Water Fish Farms

AGRICULTURE:

- Vegetables and Fruits preservation
- Prevents spoilage of Fruits, vegetablesg flowers & Stems.
- No Symptoms of Aspergillus & Sclerotium.

- Ecosteril Plus increases shelf life of fruits & vegetables.

THE FOOD & BEVERAGE INDUSTRY

- Breweries
- Canneries
- Distilleries & Wineries
- Bottling Plants
- Food Preservation
- Fish & Meat Processing
- Bakeries
- Essence Manufacturers
- Mineral Water/packaged drinking water

PHARMACEUTICAL:

- Formulations, Liquids, Ointments, tablets
- Bulk Drugs, Fermentation.
- Parenteral Preparations

DAIRIES:

- Cheese Production.
- Ice Cream Manufacturing.
- Retail Milk Sales
- Milk Packing Units.

GENERAL

It is used for water disinfection.

DRINKING WATER:

- All Drinking & bathing water
- Well water
- Emergency Water Rations

SWIMMING POOLS & WATER PARKS

- Public Swimming Pools.
- Thermal Baths.
- Sauna Pools,

STANDARD GUIDELINE FOR USE:

AERIAL FUMIGATION:

Prepare 4.0% solution by taking 40ml of ECOSTERIL PLUS and add 960ml of D.M. Water. Spray it for 30minutes for 1500 sq. ft. area.

Contact time: 60 minutes

SURFACE DISINFECTION:

Prepare 1.0% solution by taking 50ml of ECOSTERIL PLUS for 5liters of water.

Contact time: 60 minutes

FOR DISPOSAL OF CONTAMINATED WASTE

Make 0.5 – 1% solution of ECOSTERIL PLUS. The solution formed can be filled in a large vessel / container wherein all disposable surgical instruments, syringes, blood bags, bottles, catheters, etc. can be disinfected and made ready for disposal. Cotton wastes, wound dressing and similar items can be disinfected by spraying. ECOSTERIL PLUS can be used for several other applications in hospitals.

RECOMMENDDD DOSAGE FOR ECOSTERIL PLUS			
INDUSTRY	APPLICATIONS	TYPE OF DISINFECTION	CONCENTRATION
Food and Beverages	Equipment	Surface	2.0%
	CIP	Surface	2.0%
	Walls/Floors	Surface	2.0%
	Bottle washing	Surface	10ppm
	Crowners	Surface	2.0%
	Filling Plants	Surface	2.0%
Dairy	Equipment	Surface	2.0%
	CIP	Surface	2.0%
	Walls/Floors	Surface	2.0%
	Transport equipment	Surface	2.0%
Animal Husbandry	Walls/Floors	Surface	5.0%
	Equipment	Surface	2.0%
	Drinking water	Substance	20ppm
Fruit & Vegetables	Hor sol	Substance	20ppm
	Pre harvesting	Surface	1.0-3.0%
	Post Harvesting	Surface	1.0-5.0%
Vineyards	Equipment	Surface	2.0%
Air conditioning	Filters	Substance	30ppm
	Tubes	Surface	1.0%
Cooling tower	Coolers	Substance	0.5 to 30ppm
Hospitals	Walls/floors	Surface	2.0%
	Laundry	Surface	2.0%
	Disinfection by immersion	Surface	5.0%
	Hand disinfection	Surface	3.0%
	Air conditioning	Substance	30ppm
	Air condition duct	Surface	1.0%
Swimming Pools	Public pools	Substance	60-80ppm
	Private pools	Substance	30-50ppm
	HWP's	Substance	80-100ppm
	Sauna	Substance	40-60ppm
	Floors	Surface	2.0%
	Anti fungi	Surface	2.0%
Drinking water	Standard Disinfection of pipe work	Surface	80-120ppm
	Drinking water	Substance	3-30ppm
	Emergency Water	Substance	30ppm
	Wells	Substance	5-30ppm
Waste water	Biological oxidation		0.5 to 5.0%

Pharmaceutical and chemical industry	Equipment	Surface	2.0%
	Walls/floors	Surface	2.0%
	Conservation	Substance	20-50ppm

ADVANTAGES

- Cost effective.
- Superior than alcohols, quaternary ammonium compounds, phenolics.
- It reduce pathogen load & ensure reduction nosocomial infections.
- It's having excellent material compatibility.
- Do not leave toxic residues.
- Do not liberate toxic aldehyde vapors.
- Not carcinogenic.
- Environment friendly.
- Superior sporicidal, bacteriocidal, fungicidal, mycobacteriocidal, and virucidal.
- Easily disposable and biodegradable – It decompose in water, oxygen and acetic acid.
- Filtered through 0.2micron.
- No hazardous polymerization.
- Not defined as hazardous material.
- Does not lead to development of bacterial resistance organism.

STORAGE:

- Keep away from children.
- Keep in a dry place and store upright in original closed container
- Do not expose to direct sunlight or heating sources.
- Avoid contact with combustible materials.
- Never tamper with bottle cap vent.
- Avoid contamination from any source.
- Expiration date applies to properly store unused product.
- Does not use after expiration date?

DISPOSAL:

The use solution does not require additional specific safety measures for people or the environment. Dispose of any unused material including the container in accordance with all applicable Indian and Local regulations.

PACKING:

05Liter, 30 Liter