





Hospital Housekeeping Disinfection & Critical Hygiene Range

Best in Class Cleaning results



Designed as per Indian Conditions with Class leading Performance based on Customer Feedback.

People Safety above all

Improving Air Quality, getting Food safety as per US FDA GRAS, all touch Surfaces free from Toxic Chemicals.

Completely Synthetic Solvent Free.

World's highest standards of Environmental safety



All Products in this Brochure are Free of Phosphates | NPE/APE | Synthetic Solvents | EDTA | NTA | HCI | Slurry Surfactants | Parabens

Efficacy certified Infection protection

Protecting against Bacterial With Human Safe Disinfectants with FDA approved efficacy.

Long life of Assets

Linen: Soda Free Laundry |
Glassware: Silicate
Free Machine wash
Marble & Wood:
pH Neutral Non Strip Cleaners.

Resource, Manpower & Cost efficiency

Multipurpose usage reduces inventory & training costs |

Water, time & Electricity saving In Laundry, F&B & Dairy and allied Industries.









Hospital Hygiene: Global Standards

Complete Range of Disinfection & Cleaning Products that adhere to EU, WHO, US FDA, US EPA norms for Disinfection molecules, their efficacy & Safety limits.

Meet NABH standards

All Products with Disinfection manufactured under FDA License. Using these products in proper manner will give full spectrum disinfection & give consistent Hygiene at par with meeting NABH norms.

Housekeeping with Hospital Grade Disinfection

Even the Housekeeping products like General Area Floor & multi surface cleaners, Washroom cleaners contain Disinfectiants and are also made under FDA License ensuring that apart from critical areas, entire hospital has much lower microbial load.

Meet Complete Hospital Hygiene Needs

From Doctors & Medical Staff Hand Hygiene to Laundry Washing, from OT/ICU to reception, from Incoming Food items to Patient Bedside, Haylide offers more than 120 products to cover the complete needs of Hospital Hygiene, with the advantage of being Green & Eco Friendly.

Clean & Disinfect with Highest Safety Standards

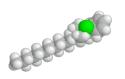


Following US FDA GRAS - Generally Regarded as Safe for Food Contact & US EPA Standards for all Ingredients used in Pharmacuetical Hygiene Range.

US FDA GRAS: Food Safety

Disinfectant Molecules -

(GRAS | US EPA | WHO)



Benzalkonium Chloride

Biocidal Activity:

Disruption of inter molecular interactions. This can cause dissociation of cellular membrane lipid bilayers, which compromises cellular permeability controls and induces leakage of cellular contents.

Efficacy:

Gram positive & negative bacteria including MRSA strains at 50 to 500 ppm.

Viruses such as H1N1, HIV, Hepatits B & SARS at 1800-2000 ppm.

Fungi & Yeasts MIC is 2500 ppm.

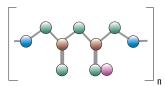
Safety:

Used Widely in Opthalmic Eye Solutions as preservative & skin Contact products like Medicated Strips for many years. It is even approved as a no Rinse Food Surface Cleaner at up to 250 ppm by US FDA. It is one of the safest anti microbial in current use in the world

Bacericidal |

Fungicidal _____

Virucidal



Polyhexamethylene Biguanide

Biocidal Activity:

It has a unique method of action: the polymer strands are incorporated into the bacterial cell wall, which disrupts the membrane and reduces its permeability, which has a lethal effect to bacteria. It is also known to bind to bacterial DNA, alter its transcription, and cause lethal DNA damage.

Efficacy:

Microorganism M	IC (ppm)
Escherichia coli	5
Pseudomonas aeruginosa	100
Pseudomonas putida	25
Bacillus subtilis	5
Staphylococcus aureus	1
Streptococcus faecalis	25
Aspergillus niger	750
Endomycopsis albicans	300
Saccharomyces cerevisiae	100
H1N1 Virus	2000

Safety:

PHMB has very low toxicity to higher organisms such as human cells, which have more complex and protective membranes. It is also used in eye drops & even





Ethano

Biocidal Activity:

Little is known about the specific mode of action of alcohols, but based on the increased efficacy in the presence of water, it is generally believed that they cause membrane damage and rapid denaturation of proteins, & subsequent interference with metabolism and cell lysis.

Efficacy:

Ethanol exhibits rapid broadspectrum antimicrobial activity against vegetative bacteria & mycobacteria, viruses, and fungi. Ethanol is effective against almost all species at over 62% - 70% & above & is preferred in hospitals.

Safety:

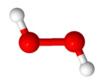
Ethanol is Biodegradable Eco friendly naturally derived from grain & has very low inhalation & oral toxicity compared to synthetically produced highly toxic n-propanol. Ethanol is more potent than propanol on viruses even though propanol is slightly more potent on bacteria but since our products use a combination with Benzalkonium Chloride this is taken care of.

Ethanol above 62% active against Hep B & H1N1 as per Lab tests.

Bacericidal	
Dacenciuai	
Virucidal	
Fungicidal	

Clean & Disinfect with Highest Safety Standards

Disinfectant Molecules (GRAS | US EPA | WHO)



Hydrogen Peroxide

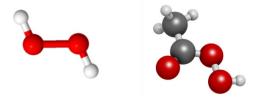
Hydrogen peroxide, stands out as an exceptional choice for hospital disinfection, targeting a wide array of microorganisms, including bacteria, viruses, fungi, and spores. Hydrogen peroxide attacks essential cellular components of pathogens, leading to rapid destruction. Effective against Gram-positive and Gram-negative bacteria. This includes hospital pathogens like MRSA and VRE.

Hhydrogen peroxide demonstrates remarkable virucidal capabilities, including efficacy against enveloped viruses such as Influenza and Coronaviruses. Its action against fungi and yeast pathogens further broadens its utility in a hospital setting, where fungal infections can pose a significant challenge.

Critically, hydrogen peroxide exhibits strong sporicidal activity, a feature essential in combating hardy bacterial spores, often implicated in hospital outbreaks.

Minimum Inhibitory Concentrations (MIC), hydrogen peroxide is effective at low concentrations, often ranging from 0.5% to 3% for general disinfection purposes. However, these values can vary based on the specific microorganism and environmental conditions. This low concentration requirement, coupled with its decomposition into harmless byproducts (water and oxygen), underscores its appeal as an eco-friendly and safe disinfectant





Hydrogen Peroxide + Peracetic acid

Peracetic acid (C2H4O3) is a mixture of acetic acid (CH3COOH) and hydrogen peroxide (H2O2) in a watery solution. It is a bright, colorless liquid that has a piercing odor and a low pH value (2,8). Peracetic acid is produced by a reaction between hydrogen peroxide and acetic acid:

When peracetic acid dissolves in water, it disintegrates to hydrogen peroxide and acetic acid, which will fall apart to water, oxygen and carbon dioxide. Peracetic acid degradation products are non-toxic and can easily dissolve in water. Peracetic acid is a very powerful oxidant; the oxidation potential outranges that of chlorine and chlorine dioxide.

Uses

Peracetic acid is used mainly in the food industry, where it is applied as a cleanser and as a disinfectant. It can be applied during water purification as a disinfectant and for plumbing disinfection.

Peracetic acid is suitable for cooling tower water disinfection; it effectively prevents bio film formation and controls Legionella bacteria.

Efficacy & Mechanism

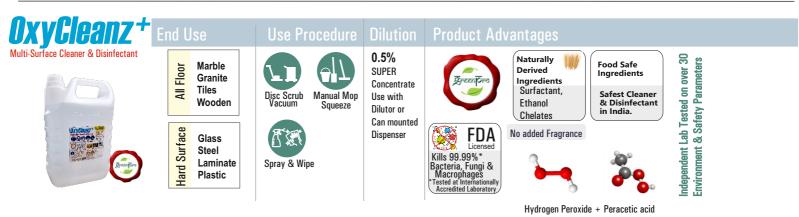
Peracetic acid as a disinfectant oxidizes the outer cell membranes of microorganisms. The oxidation mechanism consists of electron transfer. When a stronger oxidant is used, the electrons are transferred to the microorganism much faster, causing the microorganism to be deactivated rapidly.

Peracetic acid can be applied for the deactivation of a large variety of pathogenic microorganisms. It also deactivates viruses and spores. Peracetic acid activity is hardly influenced by organic compounds that are present in the water. However, pH and temperature do influence peractetic acid activity. Peracetic acid is more effective when the pH value is 7 than at a pH range between 8 and 9. At a temperature of 15 °C and a pH value of 7, five times more peracetic acid is required to affectively deactivate pathogens than at a pH value of 7 and a temperature of 35 °C.

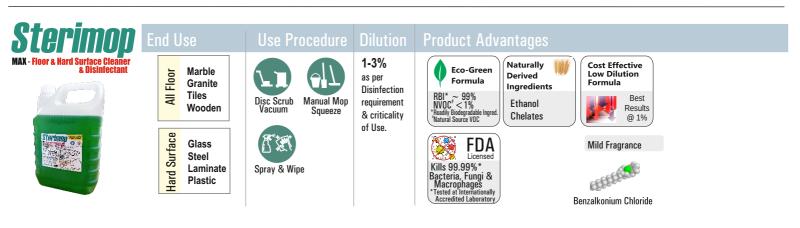
Bacericidal Virucidal	
Fungicidal	
Sporicidal	

Disinfection & Cleaning (Multi Surface Floors, Glass & Hard Surfaces)

GreenPro Certified Disinfectant Floor & Hard Surface Cleaner

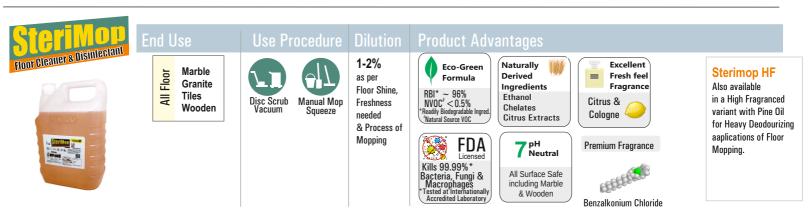


Disinfectant Floor & Hard Surface Cleaner

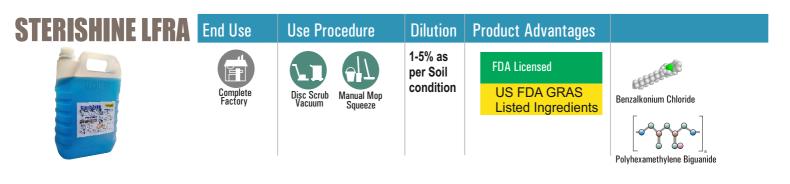


Disinfection & Cleaning (Speciality Floors only)

Premium Disinfectant Floor Cleaner



Floor Cleaning & Disinfection - (Un-fragranced) CRITICAL AREAS



Disinfection & Cleaning (Hard Surfaces & Equipment)





End Use

Hard Surface Glass Steel Laminate **Plastic**



Spray & Wipe

Ready to Use

Dilution Product Advantages

Eco-Green Formula

Kills 99.99%* Bacteria, Fungi & Macrophages

RBI* ~ 99% NVOC* < 1% Readily Biodegradable Ing Natural Source VOC

FDA

Naturally Derived Ingredients Ethanol

Chelates

7 pH Neutral

All Surface Safe including Marble & Wooden Mild Fragrance efff.

Benzalkonium Chloride



Hard Surface Disinfectant Cleaner





Ready to Use







All Surface Safe including Marble & Wooden



Steriswipe

Alcohol Hard Surface Disinfectant



Surface Glass Steel Laminate Hard **Plastic**

Ethanol Based



Ready to Use

Increased Productivity & water saving in Process.

Non Rinse as per US FDA **GRAS & US EPA**

Ethanol provides Wipe off Cleaning also in single step on soiled surfaces.



Disinfection (Critical Area Surfaces & Surgical Equipment)

End Use

Non Rinse Quat+Biguanide Disinfectant



All Hard Surfaces & Equipment & Reusable Surgical Equipment (Post Cleaning)

Use Procedure



Spray No Rinse

Dilution

2 % for Non Rinse **Application** at specified

concentration

Product Advantages

Save Time & Water in **Critical Production**

Non Rinse as per US FDA **GRAS & US EPA**





Polyhexamethylene Biguanide

UTILEX - PERO



All Hard Surfaces & Reusable Surgical Equipment (Post cleaning)





1-5% as per Soil condition **Accelerated Peroxide for Broad spectrum Efficacy US FDA GRAS Listed Ingredients**





Hydrogen Peroxide + Peracetic acid

Reusable Surgical Equipment (Pre Clean before Dip Disinfection/Autoclave)





End Use Use Procedure



2 % for Non Rinse **Application** at specified concentration

Dilution

Product Advantages

GRAS & US EPA

Save Time & Water in **Critical Production** Non Rinse as per US FDA



Fogging Disinfection







End Use	Use Procedure	Dilution	Product Advantages	
Cuisiaal	Fumigation	1-5% as per established MIC	Food Grade fog generator ingredient US FDA GRAS Listed Ingredients	Hydrogen Peroxide
Critical Areas Fogging & Disinfection	Fumigation	1-2% as per established MIC	Dual Disinfectant US FDA GRAS+US EPA Listed Ingredients	Benzalkonium Chloride

Hand Disinfection



Anti Microbial Hand Wash Quat

Antimicrobial Hand Sanitizer Ethanol + Quat



End	Use

Doctor & Medical Staff **Hand Wash** & Sanitizer

Use Procedure



Dilution

Ready to Use

Product Advantages

Food Grade, Moisturizing, Fast Rinsing / Drying **FDA Licensed**





Polyhexamethylene Biguanide









Doctor & Medical Staff Pre Surgery Hand Rub



Ready to Use

Moisturizing, Fast Drying **FDA Licensed**





Chlorhexidine Gluconate

LAUNDRY (Hospital Range)

LAUNDRO MULSE E Hi Power Emulsifier with Enzymes	Linen Type	Cycle Temperature	Dosing	Use compatibility	Remarks
THE POWER EMBASSIVE WITH EMPLOYERS	All	PRE WASH 30-50 °C MAIN WASH 30-70 °C	1-4 ml/Kg	Standalone LAUNDRO DET & L LAUNDRO BOOST LHP & P LAUNDRO KLEEN LAUNDRO OXYDET LAUNDRO BLEACH O & OL	Speciality: F&B & High Stained pH: Neutral Readily Biodegradable Ingredients: 100% VOC < 0.9% Hazard: None Alkali & Soda Free
BST In Cycle Blood Stain Remover	All Linen	PRE WASH 30-50 °C MAIN WASH 30-70 °C	2-6 ml/Kg	Standalone LAUNDRO MULSE LAUNDRO KLEEN	Speciality: Hospital Green & White pH: Neutral Readily Biodegradable Ingredients: 100% VOC < 0.9% Hazard: None Alkali & Soda Soda
LAUNDRO OXYDET Liquid Detergent+Oxygen Bleach		MAIN WASH 50-80 °C	4-8 ml/Kg	Use with: LAUNDRO ACTIV for Best results. LAUNDRO MULSE E & SUPER	Speciality: Hospital Linen phl: Neutral Readily Biodegradable Ingredients: > 80% VOC: Nil Hazard: Corrosive in Concentrate Alkali Soda Free Chlorine
LAUNDRO ACTIV Laundro Oxydet Accelerator	Combination)	MAIN WASH only with LAUNDROOXYDET 30-80°C	20% of Laundro OxyDet	Use only with LAUNDRO OXYDET	Speciality: Hospital Linen pH: Acidic Hazard: Inhalation Corrosive in Concentrate
LAUNDRO BLEACH - OL Accelerated Liquid Oxygen Bleach LAUNDRO BLEACH - O Activated Powder Oxygen Bleach	All Linen	MAIN WASH 50-80 °C	2-6 ml/Kg	Standalone (Bleach Cycle) LAUNDRO KLEEN LAUNDRO MULSE E & SUPER	Speciality: Hospital Linen pH: Acidic Chlorine Free Hazard: Corrosive in Concentrate Alkali & Soda Chlorine
	All Linen	MAIN WASH 50-80 °C	4-8 gm/Kg	Standalone (Bleach Cycle) LAUNDRO KLEEN LAUNDRO MULSE E & SUPER	Speciality: Small Stand alone Machines pH: Alkaline Readily Biodegradable Ingredients: >70% VOC: Nil Hazard: Corrosive in Concentrate Alkali Soda Free
LAUNDRO DET L* High Surf Liquid Detergent	All Cotton & Polycot blends except Guest & sensitive linen.	MAIN WASH 30-80 °C	2-8 ml/Kg	Standalone LAUNDRO BOOST LHP & P	Speciality: None pH: Mildly Alkaline Readily Biodegradable Ingredients: > 90% VOC: Nil Hazard: None Alkali Biodegradable Ingredients Alkali Soda Free
LAUNDRO RINSE Neuteralizing Liquid Rinse	All White Cotton & Polycot blends except sensitive linen.	RINSE CYCLE - Ambient	2-4 ml/Kg	Standalone Post Non Chlorine Rinse cycle	Speciality: None pH: Acidic Hazard: Inhalation Corrosive in Concentrate 100% Organic Acid Based Pleasant Fragrance
LAUNDRO SAN Liquid Linen Germ Fighting Rinse	All Linen	PRE SOAK or FINAL RINSE 30-80°C	4-8 ml/Kg	Standalone, Compulsory to run plain water Rinse after Detergent / Bleach / Neuteralizer cycle	Speciality: Hospital Linen pH: Acidic Hazard: Corrosive in Concentrate 100% Organic Acid Benzalkonium Chlo

HOUSEKEEPING (Washroom Hygiene)



GreenPro Certified Disinfectant Washroom & WC Urinal Cleaner





End Use

WC &

Urinal

Sink & Counter Taps & Fittings Glass & Mirror Seat Cover Wall Tiles





1-5% as per Cleaning Frequency & Scaling.

Dilution







Safe for Aquatic Life. Passes 96 Hrs Bio Assay.

Independent Lab Tested on over 30 **Environment & Safety Parameters**





Sterix-A

SteriX 💥

Ready to use also available

Eco Friendly

(Non Certified)

also available



Ready to Use

Green Acid

WC & Urinal Cleaner Range











Economy Regular WC & Urinal

Cleaner

Environmentally Safer Formula

Green Acid, Safe Inorganic Acid



Wash-Bright

WC Destainer Bleach for Periodic Brown Film removal

Urinal Line Deodourizer





Urinal Line De-odourizer **Dosing Concentrate**



Air Freshener Range

Premium Fragrance







*VOC Free. **Tested for 30 Environment & Safety Parameters** as per GreenPro Standard.



Deluxe Fragrance

Super Concentrate (Dilutable)



HOUSEKEEPING (Degreasing, Stain removal, Polishing, Carpets)

Marble Polish & Crystalizer | Leather & Wood Polish | Heavy Degreaser & Stripper



Floor Etchant & Crystallizer



FLORSHINE	Acidic	FLORPOL
Marble Floor	RTU	Powder Polish
Crystalizer.	Scrub, Buff	& Crystalizer



Steelpol Steel & Chrome Wood Leather Polish



MULTIPOL	Neutral pH	STEELPOL
Wood, Leather	RTU	Steel Polish
	Apply, Buff	O tool I olloli
Multi Surface	No Petroleum smell	

H-KICCNSuper Neutral Heavy Duty Degreaser





H-Kleen Super Neutral pH 2-10% to RTU **Hard Surface** Scrub, Rinse Degreaser



Alkagrease

Heavy Duty

Degreaser

2-5% Scrub, Rinse

Rust removers & Upholstery Cleaning Carbon Stain Scale

Strong Kleen H-Kleen Hdg



StrongKleen 1:10-RTU Descalant & decement.

Scrub, Rinse



H-Kleen HDa Carbon & heavy Grease remover



Highly Alkaline 10% to RTU Scrub, Rinse



STAINEX

Stainex-G Oil, Grease remover

Neutral pH RTU Scrub, Wipe

Stainex-Sc Scrub Paste **Hard Surface** Brass-Steel Scrub Polish





Metalex RTU Scrub Paste Scrub, Rinse Metal Polish Rust, Oxidiation **Carpet Kleen**



CarpetKleen HF Neutral | Alkaline High Foam Shampoo

2-5% Foam | Spray Ext. Fragrance | Spot

CarpetKleen LF Low Foam Stain removal

Aloe Vera

KITCHEN, Cafeteris & Canteen Hygiene





UTILEX-L Neutral 2-5% Multi Kitchen Scrub, Rinse & Dish Cleaner Food Safe



Disinfection

Benzalkonium Chloride Neutral **UTILEX III** 2-5% Disinfectant Scrub, Rinse

UTILEX-M

Auto Dishwash Detergent

Fast Drv

Indian conditions UTILEX-R Low Dilution Auto Dishwash Food Safe

EX Chior Tab **Detergent for Food Surfaces**



Chlorine Tablets

Kitchen Wash



UTILEX DRAIN Alkaline Drain Cleaner



All Food Hygiene products follow **US FDA GRAS -**(Generally Regarded as Safe for food contact) **norms**.

Rinse Aid

Hand Washes



Fresh Hands Foam High Foam Premium Feel Hand Wash for Cologne | Low Foam Dispenser use, Fast Rinse



Fresh Hands Pearl Medium Foam Creamy Feel Pearly Hand Classy Fragrance Wash

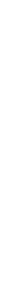


Fresh Hands LQ High Foam Deluxe Feel **Gel Hand Wash** Floral Fragrance Pink Easy Rinse



Fresh Hands ELQ **Economy Gel Hand Wash**

Medium Foam Regular Feel Citrus Quick Rinse



Medical & Hospital Disinfection

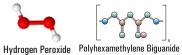


Disinfection Performance











5 Disinfection molecules - Widest Choice in Market

Transparency & Documentation



International Standard 16 point MSDS with Non Hazardous ingredient declaration & PPE Standards

Laboratory Test reports Internal/NABL certified 3rd party Laboratories for Efficacy / Assay / Specifications

Dosing & Dilution Systems







Complete range of Diluters, Dosing Pumps available for Housekeeping, Dishwash & Laundry.

Proudly Indian Green Cleaning Technology



Wholly Indian SME | In house developed Technology | Top management driven Research & Development

Green Certified Hospital Products



India's First GreenPro Certified

Cleaning Chemicals

Tested on over 30 Environmental & Human Safety Parameters by 3rd Party NABL certified Laboratories





MP FDA & GMP Certificate

Complete Range of Eco Friendly Products also available for: (Ask for separate Brochure)















Housekeeping & Infection Control |

Kitchen Hygiene

| Pharma & Food Industry | Industrial & Automotive | Professional Laundry | Personal Care

Toll Free: 18008901840 | email: sales@haylide.com | www.haylide.com