

Hayride

GreenEarth PeopleSafe
Green Hygiene Formulations for a better Planet



Global Standard Food, Beverage, Dairy & Pharmaceutical Hygiene

Food & Beverage, Pharma

 **GreenEarth
PeopleSafe** 
India's First **GreenPro** Certified
Range of Cleaning Chemicals

Switch to a Cleaner & Better Tomorrow

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



Readily Biodegradable Ingredients | Free
from Phosphates, Inorganic Acids,
APE, EDTA etc. Ensuring World
leading safety of Water bodies
& Soil against your Cleaning Effluent.



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

Efficacy certified Infection protection

Protecting Bacterial Infections against & Viral 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.



From Production to Consumer - Unparalleled Safety

Dairy | Fruit & Veg | Poultry, Meat & Fish



Beverage | Bakery Confectionery | Cooked | Frozen



Food Packaging | Food & Pharma Logistics



Pharmaceutical Manufacturing



India's First GreenPro Certified Cleaning Chemicals

Each Product Tested on over 30 EHS Parameters including
Flammability | VOC | Heavy Metals | Eutrophication |
Aqua Toxicity | BOD & COD etc.

Following International Food Safety Norms of



US FDA GRAS: Food Safety



Regulatory Approvals



MP FDA & GMP Certificate

3rd Party Product Testing



Food Surface Rinse Off Cleaning-In-Place (CIP)

Vessel & Pipeline (CIP) - Detergents

UTILEX - CIP













Alkaline CIP/Manual Cleaner



UTILEX - CIP LF

Low Foam Alkaline CIP Cleaner

Also available
UTILEX - CIP FG*
UTILEX CIP LF FG*






End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Vessels & Pipelines  Machines & Conveyors	 Pipe Recirculate Potable Rinse  Foam Spray Jet Wash  Manual Scrub & Rinse	1-5% as per Soil condition	<div>US FDA GRAS Listed Ingredients</div>	 
 Vessels & Pipelines  Product Packaging Glass, PET, HDPE	 Pipe Recirculate Potable Rinse	1-5% as per Soil condition	<div>US FDA GRAS Listed Ingredients</div> <div>Fast Rinsing Water, Time & Electricity Saving</div>	 

UTILEX - CIP LF ADD

Low Foam CIP Caustic/Acid Additive



Also available
UTILEX - CIP LF ADD FG*





End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Vessels & Pipelines  Product Packaging Glass, PET, HDPE	 Pipe Re-circulate Potable Rinse	1-5% as per Soil condition	<div>Food Grade</div> <div>US FDA GRAS Listed Ingredients</div> <div>Fast Rinsing Water, Time & Electricity Saving</div> <div>Cost Saving Mix with Caustic / Acid on Site.</div>	 

UTILEX - CIP LF AC

Low Foam Acidic CIP & Bottle Cleaner



Also available
UTILEX - CIP LF AC FG*

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Vessels & Pipelines  Product Packaging Glass, PET, HDPE	 Pipe Re-circulate Potable Rinse	1-5% as per Soil condition	<div>Acidic CIP for Beverage & Dairy</div> <div>US FDA GRAS Listed Ingredients</div> <div>Fast Rinsing Water, Time & Electricity Saving</div>	

Vessel & Pipeline (CIP) - Alkalis & Acid

**UTILEX - CAUSTIC | UTILEX CAUSTIC FG | UTILEX SODA |
UTILEX SODA FG | UTILEX NITRIC | UTILEX GLYCOLIC FG**

Food Surface Rinse Off Cleaning-In-Place (CIP)

Vessel & Pipeline (CIP) - Neutralization (Food Grade)

UTILEX - NAC FG

Acidic Food Grade CIP Neutralizer



UTILEX - RAL FG

Alkaline Food Grade CIP Rinse

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
Vessels & Pipelines	Pipe Recirculate Potable Rinse For use post Alkaline CIP	1-5% as per Soil condition	Food Grade Heavy Metal Tested US FDA GRAS Listed Ingredients 100% Organic Acid Rinse	
Vessels & Pipelines Product Packaging Glass, PET, HDPE	Pipe Re-circulate Potable Rinse For use post Acidic CIP	1-5% as per Soil condition	Food Grade Heavy Metal Tested US FDA GRAS Listed Ingredients Caustic Free Rinse	

Vessel, Pipeline (CIP - Final Rinse) & Hard Surfaces - Disinfection

UTILEX SAN+

Non Rinse Quat+Biguanide Disinfectant



Also Available
UTILEX - SAN
Non Rinse Quat Disinfectant

UTILEX - PEROXY

Rinse off Accelerated Peroxide Disinfectant

Also Available
UTILEX - PEROXY FG
Rinse off Accelerated Peroxide Disinfectant

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
Vessels & Pipelines Machines & Conveyors	Pipe Re-circulate Potable Rinse Spray No Rinse	2 % for Non Rinse Application at specified concentration	Save Time & Water in Critical Production Non Rinse as per US FDA GRAS & US EPA	
Product Packaging Glass, PET, HDPE Machines & Conveyors Vessels & Pipelines	Pipe Recirculate Potable Rinse Spray & Rinse	1-5% as per Soil condition	Accelerated Peroxide for Broad spectrum Efficacy US FDA GRAS Listed Ingredients	

Conveyor Lubricant

UTILEX - SCL

Slat Chain Lubricant



Also Available
UTILEX - SCL FG
1 Grade Slat Chain Lubricant

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
Product Packaging Slat Conveyor	Auto Spray	0.1-0.5% SUPER Concentrate	High Friction resistance Low Foam Protects Steel & works on Raw & Hard water	

*FG - Food Grade Variants available for all above products Using Food Grade Alkalis, Acids & other ingredients with Heavy metal Testing reports available.






Incoming Produce (Rinse off Wash & Sanitization)

Rinse Off Washing (Raw Produce & Equipment)

UTILEX Natura

Food Safe Fruit & Veg Wash












End Use	Use Procedure	Dilution	Product Advantages	Remarks
 Raw Fruit & Veg  Rinse off Food Contact Surface	 Soak, Agitate Rinse  Manual Scrub & Rinse	1%	100% Natural Source Ingredients US FDA GRAS Listed Ingredients only Power of Food Grade Organic acid Removes Dirt, Soil & Pesticide	 Germ Fighting Formula. Can replace Chorine Soak for Fruits & Vegetables to be peeled & used or to be cooked at high Temperature.

Rinse Off Disinfection (Raw Produce & Equipment)

UTILEX Chlor Tab



End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Complete Factory  Raw Fruit & Veg	 Pipe Recirculate Potable Rinse  Spray & Rinse	1-2 tablet in 10 ltr for 50-100 ppm	Solution stable up to 24 hours US FDA GRAS Listed Ingredients	 
 Raw Meat Egg & Pesc.	 Spray & Rinse	1-2%	Organic Food Grade Acid + Food Grade Peroxide US FDA GRAS Listed Ingredients Removes Odour from Sea Food	

UTILEX PEROXY FG

Food Handling Surfaces (Non Rinse Cleaning & Sanitization)

Non Rinse Food Contact Surface Disinfection

UTILEX SAN+











Non Rinse Quat+Biguanide Disinfectant



Also Available
UTILEX - SAN
Non Rinse Quat Disinfectant

STERISWIPE+

Non Rinse Ethanol+Quat Wipe off Disinfectant

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Complete Factory  No Rinse Food Contact Surface	 Spray No Rinse  Spray & Wipe	2 % for Non Rinse Application at specified concentration	Increased Productivity & water saving in Process. Non Rinse as per US FDA GRAS & US EPA	 
 No Rinse Food Contact Surface Ethanol Based	 Spray & Wipe	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.	 

Production Surfaces - (Washing, Disinfection, Fumigation)

Cleaning Degreasing & Disinfection - Single Step (Rinse off)

UTILEX III HF

High Foam Cleaner & Quat Disinfectant



OxyCleanz+

Peroxide Based Cleaner & Disinfectant

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Complete Factory Machines & Conveyors	 Foam Spray Jet Wash Spray Brush & Rinse	1-5% as per Soil condition	Single Step Detergent & Disinfectant US FDA GRAS Listed Ingredients	
 Complete Factory	 Disc Scrub Vacuum Manual Mop Squeeze Spray & Wipe Spray & Rinse Food contact	0.5% SUPER Concentrate Use with Dilutor or Can mounted Dispenser	GreenPro Certified 100% Eco & Human Safe US FDA GRAS Listed Ingredients Single Product for complete hard surface Cleaning & Disinfection	

Factory Fumigation - (Food Contact Surface Safe)

OxyFog

Peroxide Fogging Concentrate



Sterimist

Quat + PHMB Fogging Concentrate

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Complete Factory	 Fumigation	1-5% as per established MIC	Food Grade fog generator ingredient US FDA GRAS Listed Ingredients	
 Complete Factory	 Fumigation	1-2% as per established MIC	Phosphate Free US FDA GRAS + US EPA Listed Ingredients	

Production Area - (Floor Cleaning & Disinfection)

Floor Cleaning & Disinfection - (Un-fragranced)

STERISHINE LFRA



End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Complete Factory	 Disc Scrub Vacuum Manual Mop Squeeze	1-5% as per Soil condition	FDA Licensed US FDA GRAS Listed Ingredients	

Production Surfaces - (Carbon & Scale removal)

Carbon & Hard Grease Removal

H-Kleen^{Hdg} HF

Alkaline Ultra Degreaser & Carbon Remover



End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Machines & Conveyors Rinse off Cooking & Carbon deposit Surfaces	 Foam Spray Jet Wash Spray Brush & Rinse	2-10% as per Soil condition RTU for Carbon Removal	<div>Fast Results</div> <div>US FDA GRAS Listed Ingredients</div>	

Production Surfaces - (Rinse off Washing)

Manual Washing of all Hard Surfaces

UTILEX

Manual Food Surface Wash



End Use	Use Procedure	Dilution	Product Advantages	Use Cases
 Machines & Conveyors Complete Factory Rinse off Food Contact Surface	 Foam Spray Jet Wash Disc Scrub Vacuum Manual Scrub & Rinse	2-5% as per Soil condition	<div>100% Readily Biodegradable Ingredients</div> <div>US FDA GRAS Listed Ingredients</div> <div>Visible shine & Streak Free Water Sheet effect.</div>	

Factory Area: Speciality Cleaning

Steel Polish | Descaling | Rust removal | Degreasing | Drain Cleaning



Steelpol

Steel & Chrome Polish



Strong Kleen

Strong Cleaner & De-Scaler



Also Available
Strong Kleen FG
Food Grade Descalant

Metalex

Brass-Steel Scrub Polish



H-Kleen^{Super}

Neutral Heavy Duty Degreaser



Alkagrease

Alkaline Heavy Duty Degreaser



UTILEX DRAIN

Alkaline Drain Cleaner



Steelpol SS Polish	Neutral RTU Spray & Buff	StrongKleen Descalant & decement.	Acidic 1:10-RTU Scrub, Rinse	Metalex Scrub Paste Metal Polish	Acidic RTU Scrub, Rinse Rust, Oxidation	H-Kleen Super Hard Surface Degreaser	Neutral pH 2-10% to RTU Scrub, Rinse VOC Free	Alkagrease Heavy Duty Degreaser	Alkaline 2-5% Scrub, Rinse	UTILEX DRAIN Drain Cleaner Deodorizer	Alkaline RTU Pour & Leave Disinfection
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Personnel Hand Hygiene




Hand Wash & Sanitizer (Food Grade, Antimicrobial, Un-fragranced)

SANITZ+



Anti Microbial
Hand Wash
Quat

Antimicrobial
Hand Sanitizer
Ethanol + Quat

End Use	Use Procedure	Dilution	Product Advantages	Use Cases
Hand Hygiene	 	Ready to Use	Food Grade, Moisturizing, Fast Rinsing / Drying US FDA GRAS Listed Ingredients	

Industrial Laundry Range

Over 24 products available - Ask for separate brochure



Eco Friendly & Enzymatic Detergents | Emulsifiers | Oxygen Boosters | Bleach

Cafeteria & Kitchen Hygiene

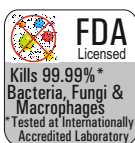
Over 10 products available ask for separate brochure



Manual & Automatic Dish Wash

Washroom Hygiene Range

Washroom Cleaner & Sanitizer
Sterix-A Super



WC-Plus
Powerful WC & Urinal Cleaner



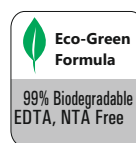
High Power
for High Traffic
& Scaling WC's



STERIX FRESH
Urinal Line Deodorizer Concentrate



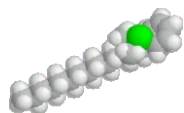
Urinal Line
De-odourizer
Dosing Concentrate



Complete Housekeeping & Infection Control Range available for Office Complex etc. - Ask for separate Brochure

Haylide Ingredients: Disinfectant Molecules

US FDA GRAS | ECHA



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.

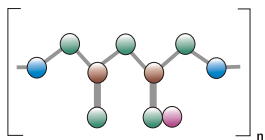
Viruses such as H1N1, HIV, Hepatitis B & SARS at 1800-2000 ppm.

Fungi & Yeasts MIC is 2500 ppm.

Safety:

Used Widely in Ophthalmic 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

US EPA No Rinse



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:

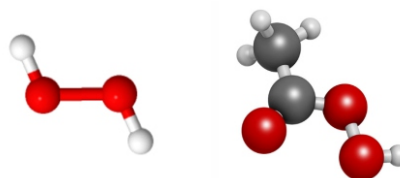
Microorganism	MIC (ppm)
Escherichia coli	5
Pseudomonas aeruginosa	100
Pseudomonas putida	25
Bacillus subtilis	5
Staphylococcus aureus	1
Streptococcus faecalis	25
Aspergillus niger	750
Endomycopsis albicans	300
Saccharomyces cerevisiae	100
H1N1 Virus	2000

Safety:

PHMB has very low toxicity to higher organisms such as human cells, which have more complex and protective membranes.

PHMB is approved for use as a non Rinse Food Contact Disinfectant by US EPA at 550 ppm.

US FDA GRAS | ECHA



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 peracetic 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 effectively deactivate pathogens than at a pH value of 7 and a temperature of 35 °C.

Other Ingredients

Active Surfactants - (GRAS)

Naturally Derived Non Ionics
glucosides & Coconut based
That are derived from Plant sources are completely & Readily Biodegradable. They are safe for Food Contact as Per US FDA Norms. source efficiency

GRAS Approved Anionic
Sodium Lauryl Sulphate

Active Chelates - (GRAS)

Naturally Derived Chelant
Glucose based
That are derived from Plant sources are completely & Readily Biodegradable. They are safe for Food Contact as Per US FDA Norms.

Safety Uncompromised -

All Products are free from all known Environmental & Human Toxic ingredients including -

APE/NPE | Phosphates | EDTA | Inorganic Acids | Synthetic Solvent Ethers etc.

World standard food safety
US FDA GRAS | US EPA Food Safety | ECHA

Custom made for Indian production conditions

Covering Multiple Food & Beverage Lines with option of Alkaline, Acidic, Neutral & multi molecule alternating Disinfection. From Easy to use single use products for Smaller Units to specialized cost saving complex use products for Large Units.

Qualify all International FDA Hygiene audits

With third party IPAMO certified Lab Test reports for Antimicrobial Efficacy | Food Safety ingredient declaration certificates | Heavy Metal Testing, Haylide offers highest standards meeting all International Standards.

Hygiene Consultancy - Best practises | Cost efficiency

With our experience of studying & complying with the highest International Standards we offer consultancy on Industry Best Practises worldwide with Training to achieve the best possible Hygiene standard. Also gain from our experience on reduction of Water, Machine down time for cleaning & Cost efficiency in the Cleaning process.

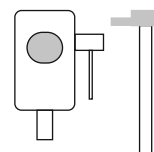
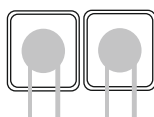
The Haylide X Factors

Value Added Services



Three Tier Training | Audit & Consultancy

Dispensing & Dilution



In Line Dilutors, Handwash to Innovative on Cap Systems

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

Proudly Indian **Green Cleaning** Technology



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

Technology that benefits Your end Consumers

In today's uber competitive market the ever demanding consumers are looking for enhanced quality & experiences at every level of the food Journey.

Haylide brings in Technology that sets new Benchmarks in Safety of Ingredients & delivers Class Leading Hygiene in your production process.

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



Housekeeping & Infection Control



Kitchen Hygiene



Medical & Hospitals



Industrial & Automotive



Professional Laundry



Personal Care

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