

**HIMEDIA**®



# Professional Care

## Disinfectants for Food Industry

HiMedia Laboratories Pvt. Ltd.  
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## 6% Hydrogen Peroxide Lint Free Wipe (C0284)



Effective against bacteria, fungi, moulds, yeasts and spores, The wipe leaves no residue on the surface after application. 6% Hydrogen peroxide RTU wipe is a blend of 6% hydrogen peroxide and purified water.

**Packing** : 100 Fleece Canister.

<b>Composition</b>	Each wipe contains : 6 % Hydrogen peroxide with purified water and absorbent wipe.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold and Protozoa, Virucidal against Enveloped Virus (Incl. HBV, HIV, HCV, SARS Virus.)
<b>Features</b>	<ul style="list-style-type: none"> <li>• 0.2 micron filtered.</li> <li>• Faster contact times for fungi, bacteria, viruses, and TB.</li> <li>• Compatible with a wide range of materials.</li> <li>• Less residue reduces frequency .</li> <li>• Non-hazardous for cost-effective disposal.</li> <li>• Reduces corrosion and wear on surfaces and equipment.</li> <li>• Remove organic and inorganic residue from surfaces.</li> </ul>
<b>Mode of Action</b>	Hydrogen peroxide works by producing destructive hydroxyl free radicals that can attack membrane lipids, DNA, and other essential cell components. Catalase, produced by aerobic organisms and facultative anaerobes that possess cytochrome systems, can protect cells from metabolically produced hydrogen peroxide by degrading hydrogen peroxide to water and oxygen. This defense is overwhelmed by the 6% Hydrogen peroxide concentrations used in the wipe for disinfection.
<b>Areas of Application</b>	Residue free surface disinfection .
<b>Method of Application</b>	<p><b>Normal Surface:</b> Wipe surface with wet wipe until the surface is visibly wet. Allow the surface to remain wet for 5 to 10 minutes. Allow to air dry.</p> <p><b>Dirty Surface:</b> Clean the surface first with a cloth or sheet. Wipe the surface with wet wipes. Allow the surface to remain wet for 10 minutes. Allow to air dry.</p>
<b>Wipe Dimension</b>	6" X 8".

## HiCare 70 % IPA Lint Free Wipe (C0285)



**HiCare 70% Isopropyl Alcohol Wipes is a multi-purpose cleaning wipe that removes dust, dirt, oxides and most contaminants. Helps keep critical components, tools and electronic equipment clean with its ability to quickly clean a wide range of surfaces. Each wipe is designed for use in controlled environment manufacturing areas or in the field .**

**Packing : 100 Fleece Canister.**

<p><b>Technical Data</b></p>	<p>Made from meltblown polypropylene HiCare wipes offer exceptional cleanliness and are suitable for use in a wide variety of critical environments.</p> <p>Saturated with a solution of 70% IPA with 30% deionized water, the wipes provide a uniform and consistent application of the solution to the surface. HiCare 70% IPA wipes are exceptionally clean and also free from additives of any kind. Meltblown polypropylene contains very low levels of sodium and other ions. The meltblown polypropylene wipes provide a consistent release of solvent to thoroughly remove surface contaminants in critical environments. The wipes are provided folded in convenient and easy-to-use peel and reseal pouches. Suitable for use in many critical environments, HiCare 70% IPA meltblown polypropylene wipes are ideal for wiping articles prior to pass through, cleaning process tools and other equipment, general surface cleaning and cleaning prior to decal application. The solvent blend meets either SEMI specifications for metals and contaminants, ensuring the wipes are suitable for use in microelectronic facilities or USP grade for life science cleanrooms.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Quickly removes oils, light greases, grime, and flux residues.</li> <li>• Made with Lint free exceptionally clean material Meltblown Polypropylene.</li> <li>• Saturated with high purity isopropyl alcohol (IPA).</li> <li>• Safe on most plastics.</li> <li>• Wipes are non smearing.</li> <li>• Does not streak hard surfaces.</li> </ul>
<p><b>Areas of Application</b></p>	<p>HiCare IPA wipes is used for the disinfection of alcohol-resistant surfaces in hospitals and medical facilities areas where the wipes has extensive application are:</p> <ul style="list-style-type: none"> <li>• For home dialysis.</li> <li>• For the sterilization of toilet seats, telephone receivers toys, and the like.</li> <li>• For practice-based doctors when doing home visits.</li> <li>• For emergency physicians on duty.</li> <li>• Disinfecting alcohol resistant medical devices.</li> <li>• Dental equipment and devices.</li> <li>• Instant and rapid disinfection of alcohol resistant equipments in OT and ICU.</li> <li>• Alcohol resistant computer parts and electronic gadgets.</li> </ul>
<p><b>Application Instructions</b></p>	<p>Gently wipe the surface with wet wipe. Allow to air dry.</p>
<p><b>Wipe Dimension</b></p>	<p>6"X 8".</p>

## SteriSwift™ Lint Free Wipes (C0100S)



**SteriSwift™ Wipe is an aldehyde-free 5th generation quaternary ammonium compound based disinfectant wipe that combines excellent cleaning power with a broad spectrum of effect. SteriSwift™ Wipes are effective against all pathogens. It has exceptional cleaning power, high material compatibility and pleasant smell. It is suitable for high level disinfection.**

**Packing** : 100 Fleece Canister.

<b>Composition</b>	Each wipe Contains : N, Alkyl Dimethyl Benzyl Ammonium Chloride I.P : 0.30% W/W , Octyl Decyl Dimethyl Ammonium Chloride: 0.13% W/W, Dioctyl Dimethyl Ammonium Chloride : 0.057% W/W , Didecyl Dimethyl Ammonium Chloride : 0.082% W/W Other Ingredients: DM Water, Lime fragrance and absorbent Wipe.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Ready-to-use alcohol free disinfection wipes.</li> <li>• Broad spectrum anti microbial property.</li> <li>• Suitable for uncomplicated disinfection and cleaning In hospitals.</li> <li>• Short action time.</li> <li>• Wide range of material compatibility.</li> <li>• Good coverage and cleaning power.</li> <li>• Safe and easy withdrawal of single wipes due to practical folding system.</li> <li>• Fresh lime fragrance.</li> <li>• Resealable packing.</li> </ul>
<b>Areas of Application</b>	<p>SteriSwift™ wipes are suitable for disinfecting cleaning of hard surface and articles..The areas where the wipes are extensively used are:</p> <ul style="list-style-type: none"> <li>• Uncomplicated disinfecting and cleaning of equipments.</li> <li>• Alcohol sensitive application parts that cannot be submerged in liquids, such as ultrasonic heads of probes.</li> <li>• Disinfecting and cleaning of hard surfaces .</li> <li>• Disinfecting and cleaning small objects and surfaces such as toilet seats, door handles, bed frames and office desks.</li> </ul>
<b>Method of Application</b>	<p><b>Normal Surface:</b> Wipe surface with wet wipe until the surface is visibly wet. Allow the surface to remain wet for 5 to 10 minutes. Allow to air dry.</p> <p><b>Dirty Surface:</b> Clean the surface first with a cloth or sheet. Wipe the surface with wet wipes. Allow the surface to remain wet for 10 minutes. Allow to air dry.</p> <p>Surfaces contaminated with virus must be cleaned from the surface or objects with a sheet before disinfecting with SteriSwift™ wet wipes.</p>
<b>Wipe Dimension</b>	6"X 8"

## Hishield™ Disinfectant Wipes (C0176,C0183)



**Hishield™ Disinfectant Wipe are presoaked wipes of Ethyl alcohol and Chlorhexidine Gluconate. It is an instant disinfectant. It kills 99.99% of microbes within 30 seconds and has got prolonged residual effect.**

**Packing** :100 Fleece Canister.

<b>Composition</b>	Each wipe contains : Ethyl Alcohol IP - 70%V/V, Chlorhexidine Gluconate Solution IP -2.5%W/V With Emollients, Moisturizers, Skin Care Ingredients and Absorbent Wipes.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus .
<b>Features</b>	<ul style="list-style-type: none"> <li>• Wide and universal application.</li> <li>• Reliably reduces the danger of contact infection on hand, skin or alcohol resistant surface and objects.</li> <li>• Skin caring additives protects hands and skin even with frequent use.</li> <li>• Reduces the germ flora by more than 99.99% within 30 seconds.</li> <li>• Gentle to skin through replenishing substances and skin protecting components.</li> <li>• Broad spectrum of effect.</li> <li>• Compatible with wide range of alcohol resistant materials.</li> <li>• Good coverage and rapid drying.</li> <li>• Made from highly absorbent fabric.</li> <li>• Almost all the liquid is released when the wipe is used on the hand and surface.</li> </ul>
<b>Mode of Action</b>	70% ethanol causes the protein of the cell of the microorganism to coagulate at a slow rate. This allows ethanol to penetrate the entire cell before the cell has a chance for its coagulation to block ethanol. The entire cell is then coagulated causing the cell to die. Chlorhexidine Gluconate is bactericidal / bacteriostatic against wide range of gram-positive and gram-negative bacteria. It kills yeast, fungi and viruses also. It is most active at a neutral and slightly acidic pH. Combination of chlorhexidine gluconate and alcohol enhances the efficacy with lethal effect.
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Disinfection of alcohol resistant surfaces ,equipments and instruments.</li> <li>• Disinfecting hands, surface, devices and articles contaminated with pathogens.</li> <li>• Applicable universally and everywhere.</li> <li>• Provide safety at work, when traveling and in other hygiene relevant situations.</li> <li>• Used for the hygienic hand disinfection and skin antisepsis as well as for the disinfection of alcohol-resistant surfaces.</li> <li>• Disinfecting hands before after the care of sick, elderly and babies.</li> <li>• In home dialysis.</li> <li>• For disinfecting toilet seats, telephone receivers and toys.</li> </ul>
<b>Method of Application</b>	<p><b>Cleaning and Disinfection of surface:</b></p> <p><b>Normal Surface:</b> Wipe the surface with wet wipe until the surface is visibly wet. Let the surface remain wet. Allow to air dry.</p> <p><b>Dirty surface:</b> Clean the surface first with a cloth or sheet. Wipe the surface with wet wipe. Allow to air dry. Surfaces contaminated with virus must be cleaned from the surface with a sheet before disinfecting with Hishield™ wipes.</p> <p><b>For Hygienic hand and skin disinfection:</b> Use one wipe. In case of TB use two.</p>
<b>Wipe Dimension</b>	C0176 : 8” x 10”. C0183 : 5” x 7”.



## Sterifast™ Disinfectant Wipe (C0184,C0185)



**Sterifast™ presaturated Wipes are presoaked with 1,Propanol and 2 Propanol. It provides many benefits for pharmaceutical drugs, integrated circuits, medical devices, automobile or airplanes. Significant improvements in both production process and safety are usually realized simply by using presaturated wipes instead of more traditional wiping methods.**

**Packing :** 100 fleece canister.

<p><b>Composition</b></p>	<p>Each wipe contains :Isopropyl Alcohol - 45%W/W, N,Propanol-30% W/W. Other Ingredients: DM Water, Propylene Glycol ,Glycerol , Mecetronium Ethyl sulphate Fragrances,Emollients, Moisturizers and Skin Care Ingredients and Absorbent Wipes.</p>
<p><b>Microbicidal Properties</b></p>	<p>Bactericidal,Fungicidal,Tuberculocidal,Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus), Adeno,Polio and Rotavirus.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Sterifast™ Disinfectant Wipes can reliably reduce the danger of contact infections on hands, skin and alcohol resistant surfaces.</li> <li>• Skin caring additives protect hands and skin, even with frequent use.</li> <li>• Reduces the germ flora by more than 99.99 % within 30 sec.</li> <li>• Reliably effective against highly contagious microbes.</li> <li>• Applicable everywhere.</li> <li>• Gentle to skin through replenishing substances.</li> <li>• Contains skin-protecting components.</li> </ul>
<p><b>Mode of Action</b></p>	<p>Sterifast™ possesses remarkable residual and persistent effect. The formulation permits penetration in the skin. There it forms a defensive barrier against microorganisms which rise to the surface of the skin with sweat. The number of microorganisms on the hands in the surgical gloves therefore remains low for several hours.</p>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• Disinfection of alcohol resistant surfaces ,equipments and instruments.</li> <li>• Disinfecting hands, surface, devices and articles contaminated with pathogens.</li> <li>• Applicable universally and everywhere.</li> <li>• Provide safety at work, when traveling and in other hygiene relevant situations.</li> <li>• Used for the hygienic hand disinfection and skin antiseptis as well as for the disinfection of alcohol-resistant surfaces.</li> <li>• Disinfecting hands before after the care of sick, elderly and babies.</li> <li>• In home dialysis.</li> <li>• For disinfecting toilet seats, telephone receivers and toys.</li> </ul>
<p><b>Method of Application</b></p>	<p>Cleaning and disinfection of surface:  <b>Normal surface:</b> Wipe the surface with wet wipe until the surface is visibly wet. Let the surface remain wet. Allow to air dry.  <b>Dirty surface:</b> Clean the surface first with a cloth or sheet. Wipe the surface with wet wipe. Allow to air dry. Surfaces contaminated with virus must be cleaned from the surface with a sheet before disinfecting with Sterifast™ Wipes.</p>
<p><b>Wipe Dimension</b></p>	<p>C0184 : 8” x 10”  C0185 : 5” X 7”</p>

## Hicare Antimicrobial Hand Wash (C0244)




**HiCare Antimicrobial Hand Wash is a broad- spectrum antimicrobial hand wash, effective against all types of bacteria, fungi and enveloped viruses. Recommended for cleaning visibly soiled hands as an antiseptic hand wash.**

**Packing: 250 ml and 500 ml.**

<p><b>Composition</b></p>	<p>Each ml contains : Benzalkonium Chloride 0.1% with Aqua,Behentrimonium Chloride,Cetrimonium Chloride,Glycerin, Lauramidopropyl amine oxide,Cocamide MEA,Decyl Glucoside,Coco Glucoside,Glyceril Oleate, PEG-7 Glyceryl Cocoate, Cocamidopropyle Betain, Cocamidopropyl Hydroxysultaine, Laurylamineoxide, Sodium Chloride,Polysorbate-20,Citric acid,Tetra Sodium EDTA,Methyl chlorisothiazolinone,Methylisothiazolinone, Propylene Glycol,Phenoxyethanol,Permitted Colour,Fragrance.</p>
<p><b>Microbicidal Properties</b></p>	<p>Effective at eliminating 99.99 % of many common harmful germs and bacteria within 15 seconds.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• HiCare Hand Wash is an antiseptic wash gel with replenishing properties and a broad spectrum of antiseptic effect.</li> <li>• Through selected and skin friendly ingredients, the wash Gel possesses a considerably better skin compatibility than conventional decontamination preparations</li> <li>• Stable consistency allows a long contact time with the skin so that dried soils are easily dissolved</li> <li>• Broad- spectrum bactericidal activity. Skin nurturing properties.</li> <li>• Skin-friendly pH value of approx.6.5. Excellent mucous membrane tolerability. Improves skin tolerance.</li> <li>• Enriched with moisturising agents</li> <li>• Tested under medical conditions</li> <li>• Broad Spectrum Efficacy (bacteria, yeast &amp; virus)</li> <li>• Maintains skin balance without dryness. Readily Biodegradable. Environmentally friendly</li> <li>• Excellent foaming power.</li> <li>• Ethylene oxide and 1,4-dioxane free.</li> </ul>
<p><b>Mode of Action</b></p>	<p>Active ingredient of HiCare Antimicrobial Hand Wash Benzalkonium Chloride has broad-spectrum antimicrobial properties against bacteria, fungi and enveloped viruses. It inactivates the energy producing enzymes, causes denaturation of essential cell proteins and disruption of the cell membrane. The mechanism of microbicidal action is due to disruption of intermolecular reactions. Benzalkonium chloride is cationically charged and induces antibacterial action through attraction to the negatively charged bacterial membrane. Unique moisturizing and surfactant system of HiCare Antimicrobial Hand wash help attract moisture to the skin, resulting in a smoother, softer complexion with decreased wrinkles and a more plump appearance. It nourishes the skin and gives non-greasy texture that spreads fast. It is non irritant and exhibit non-greasy hydrating properties, which cleans the skin while its conditioning property prevents it from drying out.</p>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• Recommended for antiseptic hand washing. HiCare Hand Wash has an excellent dermatological tolerability.</li> <li>• Disinfecting and cleaning visibly soiled hands as antiseptic hand wash.</li> <li>• Recommended for repeated washing.</li> </ul>
<p><b>Method of Application</b></p>	<p>Disperse enough gel on wet hands. Rub briskly over all surfaces including fingernails for 1 minute and wash hands with clean water. Repeat the process in case of handling suspected articles.</p>

## HiCare Antimicrobial Foam Hand Wash (C0286 )

	<p><b>HiCare Antimicrobial Foam Hand Wash is a broad spectrum antimicrobial hand wash effective against all types of bacteria , fungi and enveloped viruses. It is non irritant and soft to skin. Recommended for repeated cleaning of hands.</b></p> <p><b>Packing : 1 ltr and 5 ltr.</b></p>
<p><b>Composition</b></p>	<p>Active Ingredients: Benzalkonium Chloride 0.1%          Inactive Ingredients : Purified Water,Glycerin,Lauramine Oxide,Centrimonium Chloride,Cocamidopropyl Betaine,Coco Glucoside,Tetrasodium EDTA, Alcohol, Decyl Glucoside, Coco Caprylate, Phenoxyethanol, Propylene glycol , Methyl chlorisothiazolinone, Methy isothiazolinone, Permitted colour, Perfume.</p>
<p><b>Microbicidal Properties</b></p>	<p>Effective at eliminating 99.99 % of many common harmful germs and bacteria within 15 seconds.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• HiCare Foam Hand Wash is an antiseptic wash with replenishing properties and a broad spectrum of antiseptic effect.</li> <li>• Through selected and skin friendly ingredients the wash possesses a considerably better skin compatibility than conventional decontamination preparations.</li> <li>• The stable consistency allows a long contact time with the skin, so that dried soils are easily dissolved as well.</li> <li>• Broad spectrum bactericidal activity .</li> <li>• Skin nurturing properties.</li> <li>• Skin-friendly pH value of approx.6.5 ,very good skin compatibility and good mucous membrane tolerability.</li> <li>• Improves skin tolerance.</li> <li>• Maintains skin balance without dryness.</li> <li>• Readily Biodegradable.</li> <li>• Environmentally friendly.</li> <li>• Maintains skin balance.</li> <li>• Good foaming power.</li> </ul>
<p><b>Mode of Action</b></p>	<p>Active ingredient of HiCare Antimicrobial Foam Hand Wash Benzalkonium chloride has broad spectrum antimicrobial properties against bacteria, fungi and enveloped viruses. It inactivates the energy producing enzymes , causes denaturation of essential cell proteins and disruption of the cell membrane. The mechanism of microbicidal action is due to disruption of intermolecular reactions. Benzalkonium chloride is cationically charged and induces antibacterial action through attraction to the negatively charged bacterial membrane. Unique moisturizing , surfactant and foaming system of HiCare Antimicrobial Foam Hand wash help attract moisture to the skin, resulting in a smoother, softer complexion with decreased wrinkles and a more plump appearance. It nourishes the skin and gives non-greasy texture that spreads fast. It is non irritant and exhibit non greasy hydrating properties which cleans the skin while its conditioning property prevents it from drying out.</p>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• Recommended for antiseptic hand washing .</li> <li>• Cleaning visibly soiled hands after contact with contaminated surface areas.</li> <li>• Recommended for repeated washing.</li> </ul>
<p><b>Method of Application</b></p>	<p>Disperse enough foam on the wet hand . Rub briskly over all surfaces including finger nails for 1 minute and wash hands with clean water.</p>

## HiCare Alcohol Foam Hand Sanitizer (C0243)



**HiCare Alcohol Foam Hand Sanitizer has broad-spectrum disinfectant cum antiseptic property. It is a rub in hand disinfectant for hygienic and surgical hand disinfection. Dries quickly and provides excellent skin care. Effective against enveloped viruses and most common bacteria within 30 seconds.**

**Packing** : 1 ltr and 5 ltr.

<b>Composition</b>	Each ml contains : Ethyl Alcohol I.P. : 70 % V/V, Benzalkonium Chloride IP : 0.25 % W/V with Isopropyl Alcohol, PEG- 12 Dimethicon, Glycerine, Isopropyl Myristate, Tocopheryl Acetate, Aloe Vera, Caprylyl Glycol, Propylene Glycol, PEG-7 Glyceryl cocoate, Glyceryl Oleate and Fragrance.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus), Adeno, Polio and Rotavirus.
<b>Features</b>	<ul style="list-style-type: none"> <li>• No sticky after feel.</li> <li>• Excellent skin care properties.</li> <li>• Quicker application.</li> <li>• No mess .</li> <li>• Spreads easily .</li> <li>• Non-clogging .</li> <li>• Reduced risk of “slips, trips and falls” .</li> <li>• Effervescent.</li> </ul>
<b>Mode of Action</b>	70% ethanol causes the protein of the cell of the microorganism to coagulate at a slow rate. This allows ethanol to penetrate the entire cell before the cell has a chance for its coagulation to block ethanol. The entire cell is then coagulated causing the cell to die. The rich and stable foam of HiCare Foam hand sanitizer creates longer contact time for Ethanol and slows the drying time of ethanol. HiCare Foam Hand Sanitizer kills microbes in 10 seconds. HiCare Foam Hand Sanitizer, possesses remarkable residual and persistent effect. It penetrates into the stratum Corneum of the skin. There it forms a defensive barrier against microorganisms which rise to the surface of the skin with sweat. The number of microorganisms on the hands in the surgical gloves therefore remains low for a period on several hours. Unique moisturizing system of HiCare hand sanitizer help attract moisture to the skin resulting in a smoother, softer complexion with decreased wrinkles and a more plump appearance. It nourishes the skin and gives non-greasy texture that spreads fast.
<b>Areas of Application</b>	HiCare Foam Hand Sanitizer is suitable for hygienic disinfection. The preparation is used in all areas where aseptic hand disinfection is important.
<b>Method of Application</b>	<p><b>For Hygienic Hand Disinfection :</b> Put enough product (One push of the pump) in your palm to cover hands. Rub thoroughly &amp; briskly over entire surface of both hands including nails and grooves for 30 seconds.</p> <p><b>For Aseptic and Surgical Hand Disinfection:</b> Put enough product (Two push of the pump) in your palm . Rub thoroughly &amp; briskly over entire surface of both hands including nails, grooves and up to elbow for 3 minutes.</p>

## HiCare Hand Sanitizer Gel (C0245)




**HiCare Hand Sanitizer Gel with broad-spectrum disinfectant -cum-antiseptic property. Dries quickly and provides excellent skin care. Effective against enveloped viruses and most common bacteria within 30 seconds.**

**Packing :**100 ml and 500 ml.

<b>Composition</b>	Each ml contains : Ethyl Alcohol 70 % Inactive Ingredients: Water (Aqua) , Isopropyl Alcohol, Glycerin, Isopropyl Myristate, Tocopheryl Acetate, Acrylates/C10-30 Alkyl Acrylate Cross polymer, Amino methyl Propanol, Caprylyl Glycol, Aloebarbedensis Juice, Propylene Glycol, Fragrance .
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal enveloped virus (incl. HBV, HIV, HCV, SARS Virus), Adeno, Polio and Rotavirus.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Comprehensive spectrum of activity.</li> <li>• Exceptional skin tolerance even with long-term use .</li> <li>• Excellent skin protection and skin care properties .</li> <li>• Unique system of skin moisturizers in HiCare hand sanitizer gel keeps skin smooth and soft .</li> </ul>
<b>Mode of Action</b>	70% ethanol causes the protein of the cell of the microorganism to coagulate at a slow rate. This allows ethanol to penetrate the entire cell before the cell has a chance for its coagulation to block ethanol. The entire cell is then coagulated causing the cell to die. The gel form of the sanitizer slows the drying time of ethanol creating a longer contact time. 70% Ethanol based gel sanitizer kills microbes in 30 seconds. Unique moisturizing system of HiCare hand sanitizer help attract moisture to skin resulting in a smoother, softer complexion with decreased wrinkles and a more plump appearance. It nourishes the skin and gives non-greasy texture that spreads fast.
<b>Areas of Application</b>	HiCare Hand Sanitizer gel is suitable for hygienic disinfection. The preparation is used In all areas where aseptic hand disinfection is important.
<b>Method of Application</b>	Put enough product in your palm to cover hands and rub hands together briskly until dry.

## HiCare Non Alcoholic Foam Hand Sanitizer (NAHS) (CO287)

	<p><b>HiCare Non Alcoholic Hand Sanitizer ( NAHS) is no rinse hand Sanitizer. It is effective in reducing the microorganisms on the hand . This product is intended for use on hands to reduce the microorganism that cause infection</b></p> <p><b>Packing : 1 ltr and 5 ltr</b></p>
<p><b>Composition</b></p>	<p>Each ml contains : Benzethonium Chloride BP- 0.2% W/V. with Betaine Anhydrous, Glycerine,Decyl Glucoside,Coco Glucoside,Aloe barbadensis juice,Behentrimonium Chloride, Cetrimonium Chloride,Caprylyl Glycol,Propylene Glycol,Methylisothiazolinone,Phenoxy Ethanol, Methylchloroisothiazolinon, PEG -7 glyceryl cocoate,Polysorbate -20,Fragrance.</p>
<p><b>Microbicidal Properties</b></p>	<p>Effective in eliminating 99.99 % of many common harmful germs and bacteria within 30 seconds.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Broad spectrum activity against both gram positive and gram negative bacteria, fungi and viruses.</li> <li>• Bactericidal effect may be present even after 6 hours of usage.</li> <li>• Efficacy improves with repeated usage.</li> <li>• Stable and non flammable.</li> <li>• Since it is water-based, it can break through dirt and has no drying action on skin like alcohol.</li> <li>• No sensitization of skin.</li> <li>• Does not require rinsing before and after application.</li> <li>• No harsh effect on industrial floor wax, paint, and materials.</li> <li>• Unlike alcohol based hand sanitizer, it is nonflammable.</li> <li>• Quicker application.</li> <li>• No mess .</li> <li>• Spreads easily.</li> <li>• Non-clogging .</li> <li>• Reduced risk of “slips, trips and falls” .</li> <li>• Effervescent.</li> </ul>
<p><b>Mode of Action</b></p>	<p>Active ingredient of HiCare NAHS Benzethonium chloride has broad spectrum antimicrobial properties against bacteria, fungi and enveloped viruses. It inactivates the energy producing enzymes , causes denaturation of essential cell proteins and disruption of the cell membrane. The mechanism of microbicidal action is due to disruption of intermolecular reactions. Benzethonium chloride is cationically charged and induces antibacterial action through attraction to the negatively charged bacterial membrane. Unique moisturizing system of HiCare hand sanitizer help attract moisture to the skin, resulting in a smoother, softer complexion with decreased wrinkles and a more plump appearance. It nourishes the skin and gives non-greasy texture that spreads fast.</p>
<p><b>Areas of Application</b></p>	<p>HiCare NAHS is suitable for hygienic disinfection. The preparation is used in all areas where aseptic hand disinfection is important.</p>
<p><b>Method of Application</b></p>	<p>Pump enough foam on your palm to cover hands and rub hands together briskly until dry.</p>

## Zentol (C0025/26/27/169)



**Zentol is an alcohol based instant disinfectant hand rub suited for pre and Post surgical antisepsis. Kills 99.99% of microbes within 30 seconds. Zentol has got prolonged residual effect. It leaves hands feeling refreshed without stickiness.**

**Packing** : 100 ml, 500 ml and 5 ltrs.

<p><b>Composition</b></p>	<p>Each ml Contains : Ethyl Alcohol IP - 70 %V/ V, Chlorhexidine Gluconate Solution 2.5 w/v with Emollients, Moisturizers and Skin Care ingredients.</p>
<p><b>Microbicidal Properties</b></p>	<p>Bactericidal, Fungicidal, Tuberculocidal, Virucidal .</p>
<p><b>Features</b></p>	<p>The ethanol-based hand rub Zentol combines a comprehensive antimicrobial effect with excellent skin protection and care properties.</p> <ul style="list-style-type: none"> <li>▪ The product is suitable for hygienic and surgical hand disinfection in all areas where hygiene is relevant.</li> <li>▪ Acts rapidly and comprehensively.</li> <li>▪ Excellent skin care effect.</li> <li>▪ Useable anywhere.</li> <li>▪ Dries quickly without leaving any residue.</li> </ul>
<p><b>Mode of Action</b></p>	<p>70% ethanol causes the protein of the cell of the microorganism to coagulate at a slow rate. This allows ethanol to penetrate the entire cell before the cell has a chance for its coagulation to block ethanol. The entire cell is then coagulated causing the cell to die. 70 % ethanol of the rub slows the drying time of ethanol creating a longer contact time and kills microbes in 30 seconds. Unique moisturizing system of Zentol help attract moisture to skin resulting in a smoother, softer skin. It nourishes the skin and gives non-greasy texture that spreads fast. Chlorhexidine Gluconate is bactericidal / bacteriostatic against wide range of gram-positive and gram-negative bacteria. It kills yeast, fungi and viruses also. It is most active at a neutral and slightly acidic pH. Combination of Chlorhexidine Gluconate and alcohol enhances the efficacy of lethal effect. It can be used as a surgical rub to reduce the number of microorganisms on hands and forearms.</p>
<p><b>Areas of Application</b></p>	<p>Zentol is suitable for hygienic disinfection. The preparation is used In all areas where aseptic hand disinfection is important.</p>
<p><b>Method of Application</b></p>	<p>For Hygienic hand disinfection : Rub Zentol Two pushes of Calibrated dispenser pump ( 3 ml) on the clean dry hands ,nails and groves for 30 secs. For Surgical hand Disinfection: Rub Zentol 6 pushes ( 9 ml.) of the dispenser pump over the clean dry hand, nails, groves up to elbow. Rub vigorously for 3 minutes. <b>For wipe dispensing system</b> For 100 wipe roll use 600 ml Zentol solution. For 50 wipe roll use 300 ml Zentol Solution. Use viscose - polyester soft wipe roll. Procedure for impregnation is given in wipe dispensing section.(C0253).</p>

## Sterifast™ ( C0129)



**Sterifast™ has got very good residual and persistent effect. It reduces the transient flora by more than 99.99 % in 30 sec. It performs surgical hand disinfection within 1.5 min. It has exceptionally good skin tolerability even with long term use and has excellent skin protection and skin care properties.**

**Packing : 500 ml**

<b>Composition</b>	Each 100 gms Contains : Propan-2-ol : 45 g , Propan-1-ol : 30 g , Mecetronium Ethyl Sulfate : 0.2 g. With Purified Water, Propylene Glycol, Glycerol , Fragrances, with Emollients, Moisturizers and Skin Care Ingredients.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal .
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Very good residual and persistent effect.</li> <li>▪ Reduces the transient flora by more than 99.99 % in 30 s.</li> <li>▪ Surgical hand disinfection within 1.5 min.</li> <li>▪ Exceptionally good skin tolerability even with long term use.</li> <li>▪ Excellent skin protection and skin care properties.</li> </ul>
<b>Mode of Action</b>	75% IPA- N propanol causes the protein of the cell of the microorganism to coagulate at a slow rate. This allows ethanol to penetrate the entire cell before the cell has a chance for its coagulation to block ethanol. The entire cell is then coagulated causing the cell to die. 75% IPA- N propanol of the rub slows the drying time of IPA- N propanol creating a longer contact time and kills microbes in 30 seconds. Sterifast™ possesses remarkable residual and persistent effect. The formulation permits penetration in the skin. There it forms a defensive barrier against microorganisms which rise to the surface of the skin with sweat. The number of microorganisms on the hands in the surgical gloves therefore remains low for several hours.
<b>Areas of Application</b>	Sterifast™ is suitable for hygienic disinfection. The preparation is used in all areas where aseptic hand disinfection is important.
<b>Method of Application</b>	<p>For Hygienic hand disinfection :Rub Sterifast™ two pushes of calibrated dispenser pump (3 ml) on the clean dry hands ,nails and groves for 30 secs.</p> <p>For Surgical hand disinfection: Rub Sterifast™ 6 pushes ( 9 ml.) of the dispenser pump over the clean dry hand, nails, groves up to elbow. Rub vigorously for 3 minutes.</p> <p><b>For Wipe Dispensing System</b></p> <p>For 100 wipe roll use 600 ml Sterifast™ solution</p> <p>For 50 wipe roll use 300 ml Sterifast™ solution.</p> <p>Use viscose - polyester soft wipe roll.</p> <p>Procedure for impregnation is given in wipe dispensing section.( C0253)</p>



## Stainsol (CO251)



**Stainsol is a specially formulated product developed for all types of cleaning operations. It removes grease, oil, tar, dirt, blood stains etc from any surface more readily than any other medium. It can be effectively used for degreasing and cleaning surgical & medical equipments, machine parts and components, It can be used for cleaning delicate articles and fabric without harming or effecting the original texture. It is a useful cleaner for any type of metal articles and components plastics and any outer surface.**

**Stainsol is a powerful degreaser. It is unique mixture of soap and solvent. The nonionic detergents used in this product react immediately against dirt, scales, and spores and removes them completely. Highly active solvents act on grease, tar, oils and tough stains and dissolve them. The two mediums are combined effectively by neutralised biodegradable emulsifying agents. It also imparts unique dispersive, non redeposition and surfactant property to the product.**

**Packing : 500 ml, 1000 ml and 5000 ml**

<p><b>Composition</b></p>	<p>Non Ionic and Amphoteric Surfactants, Solvents, Complexing Agents, Amino Acid Derivatives, Corrosion Inhibitors, antifoaming Agents, Preservatives.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Dissolves oil, dirt, tar and stains from instruments and surface readily.</li> <li>• High degree of material compatibility for machine and Instruments.</li> <li>• Economical.</li> <li>• Phosphate-free.</li> <li>• Environmentally friendly.</li> <li>• Compatible with High Level Disinfectants.</li> <li>• Contains the key ingredients important for rapid, more complete penetration and effective removal of bio-burden.</li> <li>• Contains highly effective solvents important for rapid, more complete penetration and effective removal of bio-burden.</li> <li>• Fast acting: begins to act in just one minute allowing fast turn around of instruments.</li> <li>• Easy rinsing: Its low foaming properties and neutral pH prevent it from leaving residues so that instruments can be effectively disinfected.</li> <li>• Easily removes organic stains like blood spots etc. from the cloth.</li> <li>• Stainsol is highly effective in cleaning all types of stain and dirty equipments .</li> <li>• As neutral cleaner, Stainsol is universally applicable and can be used for many types of cleaning.</li> <li>• For thorough and gentle neutral cleaning of all washable surfaces and objects.</li> <li>• Compatible with surface disinfectants to impart more disinfectant property.</li> </ul>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• Suitable as gloss finish cleaner for all washable surfaces and laminated floors.</li> <li>• Stainsol is particularly suitable for removing stains and other marks from the equipments, tables, chairs, cloth and other accessories.</li> <li>• Cleaning of all water-resistant materials, e.g. Synthetics, Varnished surfaces .</li> <li>• Streak- and residue-free cleaning of sensitive surfaces such as glass, mirrors, stainless steel and ceramics .</li> <li>• Maintenance cleaning of all laminated floors .</li> <li>• Automated cleaning of all floors with floor cleaning machines.</li> <li>• Cleaning of electrostatic discharge flooring.</li> </ul>
<p><b>Method of Application</b></p>	<p><b>For removing tough stains:</b> Dissolve 50 ml to 100 ml Stainsol in 1 litre of water. Soak the instrument or device completely in the dilute solution. Keep it soaked for 10 minutes. Clean with water.</p> <p><b>For removing tough and dirty stains:</b> Dissolve 50 ml. Stainsol in 1 litre of water and clean as above.</p> <p><b>For removing general stain :</b> Dissolve 15 ml Stainsol in 1 litre of water and clean as above.</p> <p><b>For normal cleaning of dirty surface :</b> Dissolve 10 ml Stainsol in 1 litre of water and clean as above.</p>
<p><b>Material compatibility</b></p>	<p>Stainsol use solution compatible to</p> <p><b>Metals :</b>Stainless steel, Copper, Brass, Aluminium.</p> <p><b>Plastics :</b> Polyamide, Polyethylene, Polypropylene, Polystyrene, Polyurethane, PVC, Acryl butadiene, Silicon, Rubber, Latex, Makrolon, Acrylic, Glass, Teflon.</p> <p><b>Flooring :</b> Epoxy, Marble, Granite, Ceramic, Porcelain, Limestone, Wood etc</p>

## HiClean & Cure (CO193/194/195)



**Hi Clean & Cure is a highly effective cleaner to remove tarnish, loose rust and rusted stains. It also removes stubborn organic residue from the instruments. It is used as a liquid acid cleaning agent for instruments made from stainless steel.**

**Packing :** 500 ml,1000 ml and 5000 ml.

<p><b>Composition</b></p>	<p>Organic acids, Inorganic acid , Non ionic surfactant, Chelating Agents, Corrosion Inhibitors, De Ionized Water.</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Excellent disinfectant cleaner .</li> <li>• Excellent cleaning power on mineral and organic soil.</li> <li>• Effectively remove stubborn calcification,grease and urinary calculus and cosmetic residues.</li> <li>• Removes stains and hard water deposits.</li> <li>• Removes stubborn organic residues of the instruments.</li> <li>• As cleaner for entire sanitary area for rapid and reliable removal of primary minerals and organic soils.</li> </ul>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• Suitable for all acid resistant material such as porcelain, Stainless Steel, Chromium, Aluminium, Colourfast synthetics,Rubber,Tiles,Glass and enamels .</li> <li>• As anti-calcification agent in the kitchen.</li> <li>• Cleaning of surgical instruments with stubborn stains.</li> <li>• Cleaning of pipelines of food and dairy.</li> <li>• Cleaning of instruments made of SS,hardened chrome steel and chrome Nickel steel.</li> </ul>
<p><b>Method of Application</b></p>	<ul style="list-style-type: none"> <li>• Cleaning in immersion bath :Instruments are immersed in a warm1 to 10% Hi Clean &amp; Cure solution(10 to 100 ml / lt at 50°C for 1 hour).</li> <li>• For Instruments with carbide insert use only 1-3% Hi Clean &amp; Cure solution after contact time of 1 hour the instruments are removed and thoroughly rinsed with water and dried.</li> <li>• For internal cleaning of pipe line pass ( 50 ml in 1 litre water) diluted Hi Clean &amp; Cure through the pipe line &amp; Rinse thoroughly with clean water.</li> </ul>

## HiQuat Citrus Plus ( C0259)



**HiQuat Citrus Plus is aldehyde free high level surface disinfectant. HiQuat citrus plus combines the disinfectant properties of 5<sup>th</sup> generation quaternary compound with the solvency of citrus oil to make a highly efficacious disinfectant cleaner. The Synergic blend of quats and citrus oil provides an improved product performance and natural citrus fragrance. It is an ideal laundry disinfectant.**

**Packing :** 500 ml ,1000 ml and 5000 ml

<b>Composition</b>	Each ml contains : Didecyl Dimethyl Ammonium Chloride: 9.2%W/V, N Alkyl Dimethyl Benzyl Ammonium Chloride: 13.8%W/V ,Citrus Oil: 3% W/V Other Ingredients: Non Ionic Surfactants, DM Water, Chelating Agents, pH Regulators and Corrosion Inhibitors.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus.).
<b>Features</b>	<ul style="list-style-type: none"> <li>• Disinfectant cleaner with low use concentration.</li> <li>• Aldehyde free.</li> <li>• Citrus fragrance.</li> <li>• Optimized residual characteristics.</li> <li>• Combines powerful disinfectant properties of 5<sup>th</sup> generation quats with the solvency and natural fragrance of citrus oil to give a perfect disinfectant cleaner.</li> <li>• Effectively removes soils from surfaces, even in hard water up to 250 ppm hardness.</li> </ul>
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Suitable for all types of surfaces.</li> <li>• Disinfectant for manual and automatic dish washing machine.</li> <li>• Disinfectant for manual and automatic cloth washing machine.</li> <li>• Suitable for fully automatic cold disinfection procedure.</li> <li>• High level disinfectant for bathroom.</li> <li>• Suitable for the surface disinfection of washable surfaces of the kitchen using the wet wipe procedure .</li> <li>• High level disinfectant for cleaning and disinfecting kitchen tops.</li> <li>• Disinfection, deodorizing and cleaning of bed pans, toilet seats and highly contaminated areas .</li> <li>• High level disinfectant – Cleaner and sanitizer for non -food contact surfaces.</li> <li>• Disinfectant , Deodorizer and cleaner kitchen and laundry .</li> </ul>
<b>Method of Application</b>	<p><b>Manual Washing of cloth</b></p> <p><b>Dirty cloth :</b> Dilute 15 ml HiQuat Citrus Plus in 1 litre of water. Soak the cloth for 10 minutes. Scrub with brush to remove stains. Rinse in water.</p> <p><b>Normal cloth :</b> Dilute 10 ml HiQuat Citrus Plus in 1 litre of water. Soak the cloth for 10 minutes. Rinse with water.</p> <p><b>Automatic washing machine:</b> Add HiQuat Citrus Plus in the tumble in the ratio of 10 ml Hister Citrus Plus: 1 litre of water along with the detergents and clean as per the cleaning procedure.</p>

## Hister Advance ( CO260)



**Hister Advance is a high level surface disinfectant with nano technology that carries the active ingredients through the cell wall for rapid complete cell death of bacteria, virus, fungi, spores and protozoa. It interacts with the lipid and protein of the microbes including enveloped virus. Hister Advance has broad spectrum antimicrobial activity. It is safe to use and economical.**

**Packing :** 500 ml,1000 ml and 5000 ml.

<p><b>Composition</b></p>	<p>Each ml contains : Active Ingredients: Didecyl Dimethyl Ammonium Chloride: 13.0%W/V, N,Alkyl Dimethyl Ammonium Chloride: 13.6% W/V ,Polyhexa Methylene Bigunide Hydrochloride: 5.0% W/V Other Ingredients: DM Water, Non Ionic surfactant ,Chelating Agents,pHRegulators and Perfume.</p>
<p><b>Microbicidal Properties</b></p>	<p>Bactericidal,Fungicidal, Tuberculocidal,icidal,Virucidal against enveloped virus ( incl. HBV, HIV,HCV, SARS Virus)</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>▪ Aldehyde free.</li> <li>▪ Combines Powerful disinfectant properties of 5<sup>th</sup> generation quaternary compound with that of bigunide .</li> <li>▪ Penetrates microbial cell wall swiftly and effectively binds the cellular protein and lipids ensures total lysis.</li> <li>▪ Long lasting residual effect.</li> <li>▪ Triple killing power.</li> <li>▪ Prevents pathogenic mutation and resistance.</li> <li>▪ Efficient broad spectrum activity in high risk conditions.</li> </ul>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>• High level disinfection and cleaner for heat sensitive and heat resistant instruments.</li> <li>• Suitable for manual and semiautomatic circulation procedure.</li> <li>• High level disinfectant and cleaner for manual and automatic dish washing.</li> <li>• High level disinfectant and cleaner for manual and automatic cloth washing.</li> <li>• Suitable for fully automatic cold disinfection procedure.</li> <li>• High level disinfectant and cleaner for bathroom.</li> <li>• High level disinfectant for cleaning and disinfecting kitchen tops.</li> <li>• Cleaning, disinfecting and deodorizing Bad pans, bath room and foul smelling areas.</li> <li>• Disinfectant and cleaner for Hospitals and residential/nursing homes, particularly for all functional areas.</li> </ul>
<p><b>Method of Application</b></p>	<p><b>Manual washing of cloth</b></p> <p><b>Dirty cloth :</b> Dilute 10 ml Hister Advance in 1 litre of water. Soak the cloth for 10 minutes. Scrub with brush to remove stains . Rinse in water.</p> <p><b>Normal cloth :</b> Dilute 5 ml Hister Advance in 1 litre of water. Soak the cloth for 10 minutes. Rinse with water .</p> <p><b>Automatic washing machine:</b> Add Hister Advance in the tumble in the ratio of 5 ml Hister Advance : 1 litre of water along with the detergents and clean as per the cleaning procedure.</p>

## HiQuat Citrus (C0200/201/202)



**HiQuat Citrus is aldehyde free high level surface disinfectant. HiQuat Citrus combines the disinfectant properties of 5th generation quaternary compound with the solvency of citrus oil to make a highly efficacious disinfectant cleaner. The Synergic blend of quats and citrus oil provides an improved product performance and natural citrus fragrance.**

**Packing :** 500 ml,1000 ml and 5000 ml.

<b>Composition</b>	Active Ingredients: Didecyl Dimethyl Benzyl Ammonium Chloride: 9.2%W/V, N Alkyl Dimethyl Benzyl Ammonium Chloride: 13.8%W/V, Citrus Oil: 3% W/V Other Ingredients: DM Water, Chelating Agents, pH Regulators and Corrosion Inhibitors.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus.)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Disinfectant cleaner with low use concentration .</li> <li>• Aldehyde free.</li> <li>• Citrus fragrance.</li> <li>• Optimized residual characteristics.</li> <li>• Combines powerful disinfectant properties of 5th generation quats with the solvency and natural fragrance of Citrus oil to give a perfect disinfectant cleaner.</li> <li>• Effectively removes soils from surfaces, even in hard water up to 250 ppm hardness.</li> <li>• Suitable for all types of surfaces.</li> </ul>
<b>Mode of Action</b>	5th generation quaternary compound has broad spectrum antimicrobial properties against bacteria, fungi and enveloped viruses. It inactivates the energy producing enzymes , causes denaturation of essential cell proteins and disruption of the cell membrane. The mechanism of microbicidal action is due to disruption of intermolecular reactions. 5th generation quats are cationically charged and induces antibacterial action through attraction to the negatively charged bacterial membrane.
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Suitable for the cleaning and surface disinfection of washable surfaces in high risk areas using the wet wipe procedure.</li> <li>• Suitable for instrument disinfection.</li> <li>• Can be used as a fogging agent.</li> </ul>
<b>Method of Application</b>	<p><b>Disinfection of pre cleaned surface, critical and non critical instruments</b> 4 ml in 1 litre of water.</p> <p><b>Disinfection of critical areas</b> 10 ml in 1 litre of water. Let the surface remain wet for 10 minutes.</p> <p><b>For Fogging</b> 10 ml in 1 litre of water.</p> <p><b>For wipe dispensing system</b> For 100 wipe roll use 20 ml HiQuat Citrus in 580 ml Purified water. For 50 wipe roll use 10 ml HiQuat Citrus in 290 ml Purified water. Use Lint free meltblown wipe roll. Procedure for impregnation is given in wipe dispensing section.(C0253)</p>

## HiSter Plus ( C0198/199)



**Hister Plus is an aldehyde free high level instrument and surface disinfectant with nano technology that carries the active ingredients through the cell wall for rapid complete cell death of Bacteria, Virus, Fungi, Spores and Protozoa. Hister plus has broad spectrum antimicrobial activity. It is safe to use and economical.**

**Packing : 1000 ml and 5000 ml.**

<b>Composition</b>	Each ml contains : Didecyl Dimethyl Ammonium Chloride: 13.0%W/V, N,Alkyl Dimethyl Ammonium Chloride: 13.6% W/V ,Polyhexa Methylene Biguanide Hydrochloride: 5.0% W/V Other Ingredients: DM Water, Chelating Agents, pH Regulators and Corrosion Inhibitors.
<b>Microbicidal Properties</b>	Bactericidal,Fungicidal, Tuberculocidal,Sporicidal,Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Aldehyde free.</li> <li>• Combines Powerful disinfectant properties of 5th generation quaternary compound with that of bigunide.</li> <li>• Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis.Long lasting residual effect.Triple killing power.</li> <li>• Prevents pathogenic mutation and resistance.</li> <li>• Efficient broad spectrum activity in high risk conditions .</li> </ul>
<b>Mode of Action</b>	Hister Plus is a high level surface disinfectant with Nano-technology that carries the active ingredients through the cell walls for rapid, complete cell death of all known bacteria, viruses, fungi, spores and protozoa. Hister Plus is highly surface active and therefore readily absorbed. Because of the large specific surface of the microorganisms, the first stage of germicidal activity begins with the adsorption of the disinfectant by the microbial cell. Such adsorption increases the permeability of the cell membrane, leading to the ultimate rupture and the decrease of lysine and glutamic acid. The inclusion of surfactants appears to stimulate the contraction of the cytoplasm followed by complete stripping of the cell wall. A second mode of action is that cell death results from inactivation of energy producing enzymes such as those concerned with glucose, succinate and pyruvate oxidase systems. HiSter Plus is made up of not one but three main active ingredients which deliver triple killing power - fungal, viral and bacterial, whilst also preventing pathogenic mutation and resistance. It is 70% faster than conventional high level disinfectants. Searches out inaccessible areas conventional products can not reach.
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• High level disinfectant for hard surface and instruments.</li> <li>• Suitable for manual and semiautomatic circulation procedure</li> <li>• Suitable for fully automatic cold disinfection procedure.</li> <li>• Suitable for the cleaning surface disinfection of washable surfaces using the wet wipe procedure.</li> <li>• In all Critical areas of Pharma,Food Industry,Hospitals and nursing homes,</li> <li>• Areas in the pharmaceutical industry that are relevant to hygiene.</li> <li>• Laboratories and cosmetics industry.</li> </ul>
<b>Method of Application</b>	<p><b>Disinfection of pre cleaned surface, non critical instruments:</b> 4 ml in 1 litre of water.</p> <p><b>Disinfection of critical areas :</b> 10 ml in 1 litre of water. Let the surface remain wet for 10 minutes.</p> <p><b>For Fogging</b> 10 ml in 1 litre of water.</p> <p><b>For Wipe Dispensing System</b> For 100 wipe roll use 15 ml HiSter Plus in 585ml Purified water. For 50 wipe roll use 7.5 ml HiSter Plus in 292.5 ml Purified water. Use lint free meltblown wipe roll. Procedure for impregnation is given in wipe dispensing section.(C0253)</p>

## Germitol ( C0008/009)



**Germitol is quaternary ammonium based surface disinfectant for application in non critical areas. It combines the disinfectant property of quaternary ammonium compound with that of non ionic surfactant to give a perfect disinfectant cleaner.**

**Packing : 500 ml and 5000 ml**

<b>Composition</b>	Each ml contains: Benzalkonium Chloride Solution IP 20 % w/v Other Ingredients: DM water, Chelating Agents, pH regulators and Corrosion Inhibitors and indicator.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold and Protozoa Virucidal Against Enveloped Virus (Incl., HBV, HIV, HCV, SARS Virus).
<b>Features</b>	<ul style="list-style-type: none"> <li>• Aldehyde free.</li> <li>• Low use concentration.</li> <li>• Sparkling golden colour.</li> <li>• Fragrant .</li> <li>• Optimized residue characteristics .</li> <li>• Gives distinct blue shade when mixed in water .</li> <li>• Contains in-built cleanser for perfect cleaning .</li> <li>• Economical.</li> <li>• Universal application.</li> </ul>
<b>Mode Of Action</b>	The powerful germicidal, antibacterial and fungicidal action is due to Benzalkonium chloride. It destroys metabolic activities of microorganisms and also inactivates cell proteins by coagulating them.
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Suitable for the cleaning and surface disinfection of washable surfaces in areas using the wet wipe procedure</li> <li>• Areas in the pharmaceutical industry that are relevant to hygiene .</li> </ul>
<b>Method of Application</b>	<b>Disinfection of pre cleaned surface :</b> 5 ml in 1 litre of water.

## Germikleen 2.5 % ( C0249)



**Germikleen 2.5 % is quaternary ammonium based surface disinfectant for application in non critical areas. It combines the disinfectant property of quaternary ammonium compound with that of non ionic surfactant to give a perfect disinfectant cleaner.**

**Packing : 500 ml ,1000 ml and 5000 ml**

<b>Composition</b>	Each ml contains : Benzalkonium Chloride (As Benzalkonium Chloride Solution IP ) 2.5 % w/v,other Ingredients: Citrus Fragrance , Chelating Agents, pH regulators and corrosion inhibitors .
<b>Microbicidal Properties</b>	Effective on common pathogens.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Aldehyde free.</li> <li>• Low use concentration.</li> <li>• Sparkling golden colour.</li> <li>• Fragrant .</li> <li>• Optimized residue characteristics .</li> <li>• Gives distinct blue shade when mixed in water .</li> <li>• Contains in-built cleanser for perfect cleaning .</li> <li>• Economical.</li> <li>• Universal application.</li> </ul>
<b>Mode of Action</b>	The active ingredient of Germikleen 2.5 % i.e. Benzalkonium chloride destroys metabolic activities of microorganisms and also inactivates cell proteins by coagulating them.
<b>Areas of Application</b>	Suitable for the cleaning and disinfection of the flooring of common areas.
<b>Method of Application</b>	<b>Disinfection of pre cleaned surface :</b> 15 ml in 1 Litre of water



## Germikleen 5 % (C0250)



**Germikleen 5 % is quaternary ammonium based surface disinfectant for application in non critical areas. It combines the disinfectant property of quaternary ammonium compound with that of non ionic surfactant to give a perfect disinfectant cleaner.**

**Packing :** 500 ml , 1000 ml and 5000 ml

<b>Composition</b>	Each ml contains : Benzalkonium Chloride (As Benzalkonium Chloride Solution IP )5 % w/v With Fresh Citrus fragrance,Chelating agents, pH regulators and corrosion inhibitors and indicator.
<b>Microbicidal Properties</b>	Effective on common pathogens.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Aldehyde free.</li> <li>• Low use concentration.</li> <li>• Sparkling golden colour.</li> <li>• Fragrant .</li> <li>• Optimized residue characteristics .</li> <li>• Gives distinct blue shade when mixed in water .</li> <li>• Contains in-built cleanser for perfect cleaning .</li> <li>• Economical.</li> <li>• Universal application.</li> </ul>
<b>Mode of Action</b>	The active ingredient of Germikleen 5 % Benzalkonium chloride destroys metabolic activities of microorganisms and also inactivates cell proteins by coagulating them.
<b>Areas of Application</b>	Suitable for the cleaning and disinfection of the flooring of common areas.
<b>Method of Application</b>	<b>Disinfection of pre cleaned surface :</b> 10 ml in 1 Litre of water

## InstaCull™ ( CO109/110)



**InstaCull™ is a high level instant disinfectant produced by synergic combination of four quats and isopropyl alcohol to make a lethal combination for rapid disinfection. The four quats work in unison with IPA to impart high level disinfectant with Nano-technology that carries the active ingredients through the cell walls for rapid, complete cell death of microbes. Combination of four quats insures microbicidal property for 6 hours of application.**

**Packing : 500 ml.**

<p><b>Composition</b></p>	<p>Each ml contains : Isopropyl Alcohol IP : 45 % V/V, Benzalkonium Chloride IP : 0.3 % W/V, N – Propanol : 35 % V/V, Octyl decyl dimethyl Ammonium chloride: 0.13 % W/V, Dioctyl Dimethyl ammonium chloride : 0.057 % W/V , Didecyl Dimethyl Ammonium Chloride : 0.082 % W/V Other Ingredients: DM Water, Chelating Agents, pH Regulators and Corrosion Inhibitors.</p>
<p><b>Microbicidal Properties</b></p>	<p>Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus )</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>● The synergistic blend of five active ingredients produces the fast acting and efficient disinfectant.</li> <li>● Suitable for the rapid disinfection of alcohol resistant surfaces.</li> <li>● Fast drying.</li> <li>● Aldehyde free.</li> <li>● Fragrance and colourant – free.</li> <li>● Prolonged residual action .</li> <li>● Wide spectrum of anti microbial property including virus, mycobactor and spores.</li> </ul>
<p><b>Areas of Application</b></p>	<ul style="list-style-type: none"> <li>● Instant and rapid disinfection of devices and instruments diagnostic accessories.</li> <li>● Instant and rapid disinfection of devices and instruments of Dentists.</li> <li>● Instant and rapid disinfection of devices and instruments of Dental surgery.</li> <li>● Instant and rapid disinfection of Orthodontic Instruments.</li> <li>● Instant and rapid disinfection of Prosthodontic Instruments.</li> <li>● Alcohol-resistant surfaces in both, professional and private domains.</li> <li>● For disinfecting toilet seats, telephone receivers.</li> </ul>
<p><b>Method of Application</b></p>	<p>Spray the surfaces to be disinfected, with a sufficient amount of InstaCull™ ready to use solution, ensuring complete coverage. While using the disinfected instruments ensure that instruments is wiped free of InstaCull™ with sterile cloth before use. Wipe the surface to be used with sterile cloth after applying InstaCull™.</p> <p><b>For wipe dispensing system</b></p> <p>For 100 wipe roll use 600 ml InstaCull™ solution For 50 wipe roll use 300 ml InstaCull™ Solution. Use 6”X 8” inch Lint Free meltblown wipe roll Procedure for impregnation is given in wipe dispensing section.(CO253)</p>

## HiQuat D541 ( C0212/213/214)



**HiQuat D541 is a high level surface disinfectant produced by synergic combination of 4 quaternary ammonium compounds to make it a lethal 5th generation quaternary ammonium compound high level fogging agent and surface disinfectant. The four quats work in unison to create a high level disinfectant with nano technology that carries the active ingredients through the cell walls for rapid and complete death of the microbes.**

**Packing : 500 ml,1000 ml and 5000 ml**

<b>Composition</b>	Each ml contains : Benzyl C12-18-alkyldimethylammonium chloride: 8.68% W/W, Didecyl dimethyl ammonium chloride: 3.906% W/W, Dioctyl dimethyl ammonium chloride: 2.604% W/W, Octyl decyldimethyl ammonium chloride: 6.51% W/W. Other ingredients: DM Water, Chelating Agents, pH Regulators and Corrosion Inhibitors.
<b>Microbicidal Properties</b>	Bactericidal,Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold and Protozoa Virucidal Against Enveloped Virus (Incl.HBV,HIV,HCV,SARS Virus.)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis</li> <li>• Contains micro-emulsion particles that enables the active ingredients to be carried rapidly through the cell walls of micro organisms.</li> <li>• Nano particles of HiQuat D541 enters difficult to reach areas of the hard surface easily making it ideal fogging agent for hospitals, Nursing homes, Pharmaceuticals and other critical areas.</li> <li>• Aldehyde free.</li> <li>• Optimized residue characteristics.</li> <li>• Contains in built cleanser for perfect cleaning.</li> <li>• Alkaline hospital disinfectant detergent. using mixture of four 5th generation quat .</li> <li>• Highly efficient in hard water, and excellent in the presence of organic soil.</li> <li>• Suitable for all types of surfaces.</li> </ul>
<b>Mode of Action</b>	HiQuat D 541 is used as high level surface disinfectant and fogging agent in Hospitals, Nursing homes,Food Industry and pharmaceuticals for control of infection and microbial growth. It is used as high level surface disinfectant and fogging agent in critical areas .
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Fogging isolation ward/room .</li> <li>• Fogging critical areas of pharmaceuticals.</li> <li>• Suitable for the cleaning and surface disinfection of washable surfaces using the wet wipe procedure .</li> <li>• Cleaning, disinfecting and deodorizing bad pans, bath room and foul smelling areas.</li> <li>• Cleaning and disinfecting hospitals and residential/nursing homes, particularly for all functional areas.</li> <li>• Cleaning and disinfecting areas in the food industry that are relevant to hygiene.</li> </ul>
<b>Method of Application</b>	<ul style="list-style-type: none"> <li>• Aerial Fogging :- 15 ml in 1 ltr of water (Use power fogger).</li> <li>• Disinfecting precleaned surface Semi &amp; non critical instrument sterilization : 10 ml in 1 liter water.</li> <li>• Disinfectant of critical areas :- 15 ml in 1 ltr water (Use any type of fogger)</li> </ul> <p><b>For wipe dispensing system</b>            For 100 wipe roll use 22 ml HiQuat D541 in 588 ml purified water.            For 50 wipe roll use 11 ml HiQuat D541 in 294 ml purified water.            Use Lint free meltblown wipe roll.            Procedure for impregnation is given in wipe dispensing section.(C0253)</p>

## HiQuat D 531 (C0209/210/211)



**HiQuat D531 is a 5th generation quaternary ammonium compound and Bigunide based high level surface disinfectant with micro-emulsion particles that enables the active ingredients to be carried rapidly through the cell walls of micro organisms making HiQuat D531 a potent fogging agent.**

**Packing : 500 ml , 1000 ml and 5000 ml**

<b>Composition</b>	Each ml contains : N, Alkyl Dimethyl Benzyl Ammonium Chloride:10%W/V, Polyhexamethylene Bigunide Hydrochloride: 8% W/V, Didecyl Dimethyl Ammonium Chloride: 5% W/V Other Ingredients: DM Water,Chelating Agents, pH Regulators and Corrosion Inhibitors.
<b>Microbicidal Properties</b>	Bactericidal,Fungicidal,Facultative Anaerobes,Aerobes,Fungi,Yeast,Mold and Protozoa Virucidal Against Enveloped Virus Incl.HBV,HIV,HCV,SARS Virus.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Aldehyde free.</li> <li>• Combines Powerful disinfectant properties of 5th generation quaternary compound with that of bigunide .</li> <li>• Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis .</li> <li>• Contains micro-emulsion particles that enables the active ingredients to be carried rapidly through the cell walls of micro organisms.</li> <li>• Micro-emulsion particles of HiQuat D531 enters difficult to reach areas like microscopic fissures and crevices of the hard surfaces easily.</li> <li>• Long lasting residual effect.</li> <li>• Triple killing power.</li> <li>• Prevents pathogenic mutation and resistance.</li> <li>• Efficient broad spectrum activity in high risk conditions.</li> <li>• Ideal for fogging in high risk areas.</li> </ul>
<b>Areas of Application</b>	<p>HiQuat D 531 is used as fogging agent and high level surface disinfectant in health care and pharmaceuticals for control of infection and microbial growth. It is used as fogging agent in critical areas like</p> <ul style="list-style-type: none"> <li>• Suitable for the cleaning and surface disinfection of washable surfaces using the wet wipe procedure .</li> <li>• Cleaning, disinfecting and deodorizing bad pans, bath room and foul smelling areas.</li> <li>• Cleaning and disinfecting Hospitals and residential/nursing homes, particularly for all functional areas.</li> <li>• Cleaning and disinfecting areas in the Food industry that are relevant to hygiene.</li> </ul>
<b>Method of Application</b>	<ul style="list-style-type: none"> <li>• Aerial Fogging :- 10 ml in 1 ltr of water (Use power fogger).</li> <li>• Disinfecting precleaned surface Semi &amp; non critical instrument Sterilization : 5 ml in 1ltr water (Mopping or spraying Dip instrument depending on contact time &amp; Organic load)</li> <li>• Disinfectant of Critical areas :- 10 ml in 1 ltr water (Use any type of fogger)</li> <li>• Disinfection of surgical &amp; critical Instruments: - 10 ml in 1 ltr water (Dip the instrument depending on the contact time.)</li> <li>• Pharmaceutical or vaccine manufacturing area class 100 or class A area :- 10 ml in 1 ltr water (Spray using power sprayer).</li> <li>• Decontamination of surgical refuge :- 15 ml in 1 ltr water (Dip the refuge for 40 minutes before disposing).</li> </ul> <p><b>For wipe dispensing system</b>            For 100 wipe roll use 18 ml HiQuat D531 in 582 ml Purified water.            For 50 wipe roll use 9 ml HiQuat D531 in 291 ml Purified water.            Use Lint free meltblown wipe roll.            Procedure for impregnation is given in wipe dispensing section. (C0253)</p>

## Peroxide Silver ( CO165/166)



**Peroxide Silver is a synergized composition of Hydrogen peroxide and silver nitrate forming a highly potent disinfectant. The combined effect of hydrogen peroxide with silver nitrate results in multiple oxidation power to kill all germs . It kills the pathogen by oxidizing cell membranes and inner cell structures of pathogens.**

**It is an eco friendly broad spectrum disinfectant (Oxidizing agent) useful for aerial fumigation, all kinds of surfaces, food farms, poultry, beverage industry and water disinfection. It is a clear colourless, odourless and tasteless liquid. It is miscible in water and air completely without foaming and coatformation.**

**Packing : 1000 ml and 5000 ml.**

<b>Composition</b>	Active Ingredients: Hydrogen Peroxide IP : 12.0% W/W, Silver Nitrate IP : 0.01% W/W . Other Ingredients: DM Water.
<b>Microbicidal Properties</b>	Bactericidal, Fungicidal, Tuberculocidal, Sporocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus) Virucidal (Adeno, Polio, papova, vaccinia virus, Rotavirus and HAV).
<b>Features</b>	<ul style="list-style-type: none"> <li>• It is effective against all kinds of bacteria, viruses, yeast, mould and spore formers.</li> <li>• Penetrates and eliminates biofilm layers.</li> <li>• Non inflammable, does not form any explosive vapour.</li> <li>• It is Environmentally friendly — practically 100% degradable breaking down to water and oxygen.</li> <li>• Does not create odour or alter the taste of foodstuffs or treated water.</li> <li>• Highly effective over long periods even at very high water temperatures.</li> <li>• Has no toxic effect in its diluted state.</li> <li>• No carcinogenic or mutagenic effect.</li> <li>• Low corrosive effect.</li> <li>• As fumigant and surface disinfectant in hospital's OT, ICU, Blood banks, Poly clinics, clinical /diagnostic laboratories.</li> </ul>
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• As fumigant and surface disinfectant in pharmaceutical, Food and Dairy industries.</li> <li>• As disinfectant in Agriculture Sector, Animal Husbandry, Fruit orchards and Vegetable farms, Tobacco and Cotton manufacturers.</li> <li>• In air conditioning and Refrigeration Plants: Humidifiers, Cooling towers for elimination of algae.</li> <li>• Consumer goods and amenities: Drinking water, Swimming pools, Waste water treatment etc.</li> </ul>
<b>Method of Application</b>	<ol style="list-style-type: none"> <li>1. Aerial fumigation : A 20% concentration (20ml in 80ml of Purified Water ) can be used to fumigate a 1000 cu ft area for 30 min.</li> <li>2. Surface disinfection: To disinfect surfaces of processing areas, food farms, walls and tables, a 5% solution of peroxide silver is recommended to be used after the first cleaning and rinsing with water. A contact time of 10 min gives the desired result. For soiled surfaces/ surfaces with higher microbial load, a 10% solution is recommended with a contact time of at least 20 min. Allow it to dry and do not rinse.</li> <li>3. Instrument disinfection: After cleaning and rinsing with water the instruments should be submerged in a 10% solution for at least 20 minutes. Allow them to dry and do not rinse.</li> </ol>

## Biowizard Compost (C0262)



**Biowizard Compost is a inimitable product produced through a patented & proprietary process that creates a composite biocatalyst from a unique blend micro organisms,enzymes and co-factors. Biowizard Compost activates the beneficial microbes to react bio-chemically with waste molecules catalyzing their transformation into smell-free non-toxic end products which are consumed in nature. It rapidly accelerates achievement of full decomposition.**

**Packing :** 500 gms and 1 kgs.

<b>Composition</b>	Specially formulated mixtures of Soya and Rice Bran powder, Micronutrients, Specially developed enzymes and Treated Waste Water ( Our patented technology)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Cost effective.</li> <li>• Operative at low dosage rates.</li> <li>• Wide range of operative conditions.</li> <li>• Long residual effect.</li> <li>• Natural anti-microbial action – sanitizes as it works.</li> <li>• 100% natural.</li> <li>• Non-toxic, non-chemical, non-pathogenic.</li> <li>• Harmless to humans and the environment.</li> <li>• Rapid reduction in volume of waste.</li> <li>• Elimination of odour issues.</li> <li>• Reduction in carbon dioxide.</li> <li>• Increased system capacity as additional waste can be processed fully in less time.</li> <li>• Improves Air and Water emission standards to help meet environmental industry standards and community expectations.</li> <li>• Removes amine compounds that attract flies, cockroaches and other insects.</li> <li>• Biowizard compost digests ammonia and amines thus, reducing presence of houseflies decreasing egg and larva hatchability.</li> </ul>
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>• Garbage dumping grounds.</li> <li>• Composting plants.</li> <li>• Organic Fertilizer manufacturing plants.</li> </ul>
<b>Method of Application</b>	Biowizard Compost is pre-activated before being sprayed on waste for composting. It is mixed in water at a ratio of 5 gm per litre of water. The activation time is 8 to 12 hours at room temperature. The activated liquid is then mixed in the water and sprayed on the garbage dump for composting.

**References :**

- 1) Compost Science and Technology (L.F. Diaz, M. de Bertoldi, W. Bidlingmaier, E. Stentiford)
- 2) Compost Microorganisms (Nancy Trautmann and Elaina Olynciw)
- 3) Industrial composting.(E Epstein)
- 4) Microbiology of municipal solid waste composting.(MS Finstein,ML Morris)

## Biowizard Air Purifier (C0263)



**Biowizard Air Purifier is a unique product manufactured by using a patented & proprietary process that creates a composite biocatalyst from a unique blend of micro organisms, enzymes, and co-factors. to control foul odour of the decaying garbage, animal carcass, dead fish, biomedical waste, rotting food waste from hospitality industry and canteens.**

**Biowizard Air Purifier works in minutes, reacting bio-chemically with odour-causing molecules. It breaks down volatile organic compounds into inert and smell-free compounds. Biowizard Air Purifier rapidly reduces odour in land fill sites and composting facilities.**

**Packing : 500 gms and 1 kgs.**

<p><b>Composition</b></p>	<p>Specially formulated mixtures of Soya and Rice Bran powder, Micronutrients, Specially developed enzymes, Eucalyptus oil, Lemon grass oil, Citronella oil, Neem oil, Terpeneol, Camphor oil, Terpentene oil and Active microbial culture of Biosafety level-1. ( Our Patented technology ).</p>
<p><b>Features</b></p>	<ul style="list-style-type: none"> <li>• Biowizard activates beneficial microbes to fully digest the compounds that cause most noxious smells including ammonia, hydrogen sulphide, amines and mercaptans.</li> <li>• Biowizard contains enzymes, antioxidants and essential oils which in combination imparts buffer effect on odour reducing the intensity of the odour substantially immediately after application.</li> <li>• Fast acting.</li> <li>• Effective on a wide range of volatile organic compounds (VOC).</li> <li>• Removes rather than mask odour.</li> <li>• Cost effective.</li> <li>• Operative at low dosage rates.</li> <li>• Long residual effect.</li> <li>• 100% natural and non-toxic.</li> <li>• Safe for humans and the environment.</li> <li>• Each granule encapsulates essential oils, consortium of microbes, enzymes and nutrients.</li> </ul>
<p><b>Areas of Application</b></p>	<p>Municipal dumping grounds, Chronic garbage spots, Garbage Carrying Vehicles, Hotels &amp; restaurants, Vegetable &amp; Fish Market, Hospitals, Canteens, Food processing industries, Industries and offices, Railways, Airports, Industries, Office complexes to control foul odour and elimination of green house gases.</p>
<p><b>Method of Application</b></p>	<p>Biowizard Air Purifier is pre-activated before being sprayed on waste for odour control. It is mixed in water at a ratio of 5 gm per litre of water. The activation time is 8 to 12 hours at room temperature. The activated liquid is then mixed in the water in the ratio of 1 part ( activated Biowizard Air Purifier : 5 part ( water) and sprayed to target areas. The activity of Biowizard Air Purifier enhances considerably when 0.2 to 0.5% Biowizard Deo ( C0266) is mixed in the diluted Biowizard Air Purifier .</p>

**References :**

- 1) Biological methods for odor control, (Krzysztof Barbusinski, Katarzyna Kalemba )
- 2) The Biological Treatment (Gary Hanson, Scott Tutas.)
- 3) Fundamentals of Odor Control (Dague R.)
- 4) Technologies for deodorization of malodorous gases (Izabela Wysocka, Jacek Gebicki & Jacek Namiesnik.)

## Biowizard Aqua ( C0264)



**Water pollution is a major cause of concern for the humanity. Biowizard Aqua is developed by using an innovative patented technology to address this problem. Biowizard Aqua combines a broad spectrum of microbial enzymatic activities with specially designed non-enzymatic, biocatalysts that work concomitantly to significantly enhance overall digestive reaction rates.**

**Packing :** 500 gms and 1 kgs.

<b>Composition</b>	Dextrose, Skim Milk Powder, Starch , Multienzymes, Micronutrients, Treated waste water ( Our Patented Technology) and Salts.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Reduces odour significantly .</li> <li>• Reduces sludge biomass .</li> <li>• Substantial energy savings due to less aeration.</li> <li>• Lowers sludge haulage and disposal costs.</li> <li>• Reduces chemical additive costs . Increases plant capacity.</li> <li>• Reduces plant equipment wear and tear.</li> <li>• Improves process stability.</li> <li>• Improves effluent quality(reduces BOD, COD, SS, TKN and Turbidity).</li> <li>• Suitable for all biological treatment plants.</li> <li>• No capital costs required for implementation.</li> <li>• 100% natural and biodegradable.</li> <li>• Non-toxic, non-chemical and non-pathogenic.</li> <li>• Simplifies plant operation with minimal risk of biomass loss.</li> <li>• Cost effective dosage protocol.</li> <li>• Nutrient reduction.</li> <li>• Improves final discharge.</li> <li>• Significantly reduces greenhouse gas emissions .</li> <li>• Reduced operating costs.</li> </ul>
<b>Areas of Application</b>	Treatment and elimination of foul odour of sewage in small and big sewage Treatment Plants, Treatment and elimination of odor and green house gases of waste water in Hospitals and Nursing homes.
<b>Method of Application</b>	<p><b>Pre-activation:</b> Mix Biowizard Aqua in fresh water at a ratio of 5 gm/L. Leave the container uncovered in a warm place above 20°C and let it activate for 8-12 hours. Stir before applying.</p> <p><b>Application:</b> Mix the Activated Biowizard Aqua in 500 liters to 1000 liters dozing tank. Feed the liquid in the main treatment plant with the help of a dozing pump.</p>

**References :**

- 1) Wastewater Treatment Engineering (Mohamed Samer)
- 2) Handbook of Biological Wastewater Treatment: Second Edition. (Adrianus van Haandel, Jeroen van der Lubbe.)
- 3) Waste water Treatment: Biological January 2013 (Jorgenson SE)
- 4) Basic Principles of Wastewater Treatment (Marcos von Sperling)



## Biowizard Sanitary ( C0265)



**Biowizard Sanitary is a natural Microbial and enzyme-based system that has the ability to rapidly and fully digest organic pollutants like human fecal matter through high speed enzymatic catabolism. It is developed using an innovative patented technology. It digests organic waste and eliminates odor, removes sludge build up in septic tanks, Bio-toilets, Drain pipes and leach pits. The microbes in Biowizard Sanitary are specifically adapted to tolerate exposure to household chemicals.**

**Packing : 500 gms and 1 kgs.**

<b>Composition</b>	Dextrose, Micronutrients, Specially developed enzymes, treated waste water (Our Patented Technology)																								
<b>Features</b>	<ul style="list-style-type: none"> <li>• Biologically breakdowns organic waste in Septic tank, Toilets drains and Kitchen drains</li> <li>• Preventing blockages in drain or pipe lines</li> <li>• Keeps sewer lines, septic tanks and drain fields cleaner</li> <li>• 100% environment friendly</li> <li>• Reduces faecal coliforms</li> <li>• Completely eliminates odour problems</li> <li>• Lowers maintenance cost</li> <li>• Biowizard Sanitary is a septic drain field cleaner that does not eat away pipes or fixtures like other harsh and harmful chemical-based products do. It is all-natural bacterial enzyme formula helps to maintain environmentally friendly septic systems without using any chemicals.</li> </ul>																								
<b>Areas of Application</b>	Reducing sludge formation and elimination of foul smell from septic tanks of Hospitals and nursing Homes.																								
<b>Method of Application</b>	<p><b>Instruction for use:</b> Mix the Biowizard Sanitary in a (14 to 15 ltr) bucket of water and flush it down the toilet bowl. In case of multiple toilet bowls, it is advised to split the bucket of product solution across all toilet bowls. This helps to clear all the drain lines leading to the septic tank.</p> <p><b>Monthly Dosing for Household &amp; Individual Toilets : 50 gms in each Toilet</b></p> <p><b>Monthly Dosing protocol for Septic Tanks</b></p> <p>This Biowizard Sanitary Dosing Protocol is suitable for individual, Commercial and Municipal septic tank systems.</p> <p><b>Key Objectives :</b> Solids reduction leads to increased capacity of system. Odour reduction. Improved leach field infiltration. Reduced effluent loadings.</p> <p><b>Tanks with low inflow:</b></p> <table border="1"> <thead> <tr> <th>Tank Size</th> <th>Dose in gms</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>3500 litre</td> <td>250 gms</td> <td>Bi Monthly</td> </tr> <tr> <td>9000 litre</td> <td>350 gms</td> <td>Bi Monthly</td> </tr> <tr> <td>30000 litre</td> <td>500 gms</td> <td>Bi Monthly</td> </tr> </tbody> </table> <p><b>Tanks with High inflow:</b></p> <table border="1"> <thead> <tr> <th>Tank Size</th> <th>Dose in gms</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>3500 litre</td> <td>250 gms</td> <td>Bi Weekly</td> </tr> <tr> <td>9000 litre</td> <td>350 gms</td> <td>Bi Weekly</td> </tr> <tr> <td>30000 litre</td> <td>500 gms</td> <td>Bi Weekly</td> </tr> </tbody> </table>	Tank Size	Dose in gms	Frequency	3500 litre	250 gms	Bi Monthly	9000 litre	350 gms	Bi Monthly	30000 litre	500 gms	Bi Monthly	Tank Size	Dose in gms	Frequency	3500 litre	250 gms	Bi Weekly	9000 litre	350 gms	Bi Weekly	30000 litre	500 gms	Bi Weekly
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**References :**

- 1) Water and Wastewater Engineering Systems. Pitman Publishing, London. (Barnes, B., Bliss, P.J., Gould, B.W., and Vallentine, H.R. 1981.)
- 2) "Septic Tank Systems - State of the Art" (Gunn, I.W, 1988.)
- 3) Role of Bacterial Additives for Biological Treatment of Domestic Wastewater in Septic Tank. (Bahaa Hemdan)
- 4) Septic tank (Karen Mancl.)

## Biowizard Deo ( C0266)



**Biowizard Deo is a multipurpose and specially formulated product for neutralizing bad odour and repelling insects and cleaner cum stain remover. It masks foul smell of garbage dumps, large garbage dumping grounds, fish, mutton, poultry and Vegetable markets. Biowizard Deo combines the properties of strong deodorants, insect repellents with that of strong dispersive surfactants and specially developed enzymes to form a unique product which on one hand keeps the place free from insects and on the other hand creates refreshing fragrance and keeps the place clean and stain free. It does not interfere with the natural fermentation process in the garbage dumping grounds.**

**Pack Size : 100 ml ,500 ml and 1 ltr.**

<b>Composition</b>	Orange oil, Lemon grass oil, Eucalyptus oil, Citronella oil, Camphor Oil, Terpeneol, Pine oil, Neem oil, Specially developed combination of Multi Enzymes.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Deodorizes and repels insects and cleans in one step.</li> <li>• Repels insects and reptiles.</li> <li>• Creates refreshing atmosphere.</li> <li>• Fragrance lasts for a very long period.</li> <li>• Formulated essential oils, naturally occurring plant extracts and specially developed enzymes.</li> <li>• All the compounds used in the formulation are biodegradable and eco-friendly.</li> <li>• Completely masks the foul, obnoxious and offensive smell with its own soothing fragrance.</li> <li>• Does not interfere or alter the natural fermentation processes in garbage dumping grounds.</li> <li>• Prevents scale formation.</li> <li>• Excellent cleaner cum stain remover.</li> <li>• Nontoxic.</li> </ul>
<b>Areas of Application</b>	For masking foul odor and cleaner cum insect repellent in hospitals.
<b>Method of Application</b>	Biowizard Air Purifier(C0263) is pre-activated before being sprayed on waste for odor control. It is mixed in water at a ratio of 5 gm per litre of water. The activation time is 8 to 12 hours at room temperature. The activated liquid is then mixed in the water before being applied to target areas. The activity of Biowizard Deo enhances considerably when 0.2 to 0.5% Biowizard Deo is mixed in the diluted Biowizard Air Purifier(C0263) .

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