



Professional Care

Disinfectants for Research Labs

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For Life is Precious



SteriSwift™

(CO100)

Ready to use Disinfection Wipe
for medical equipments and surfaces

HiShield™ Hand Gel

(CO137)

Instant hand Disinfectant Gel



Zentol

(CO025)

Liquid hand rub that's gentle to your
hands



SteriFast™

(CO129)

Reliable and gentle hand disinfectant



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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.

Composition	Each wipe contains : 6 % Hydrogen peroxide with purified Water and absorbent Wipe.
Microbicidal Properties	Bactericidal, Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold And Protozoa, Virucidal Against Enveloped Virus (Incl. HBV, HIV, HCV, SARS Virus.)
Features	<ul style="list-style-type: none"> • 0.2 micron filtered. • Faster contact times for fungi, bacteria, viruses and TB. • Compatible with a wide range of materials. • Less residue reduces frequency . • Non-hazardous for cost-effective disposal. • Reduces corrosion and wear on surfaces and equipment. • Remove organic and inorganic residue from surfaces.
Mode of Action	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.
Areas of Application	Residue free surface disinfection .
Method of Application	<p>Normal Surface: 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>Dirty Surface: 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>
Wipe Dimension	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>Technical Data</p>	<p>Made from meltblown polypropylene HiCare wipes offer exceptional cleanliness and are suitable for use in a wide variety of critical environments. 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 clean rooms.</p>
<p>Features</p>	<ul style="list-style-type: none"> • Quickly removes oils, light greases, grime, and flux residues. • Made with Lint free exceptionally clean material Meltblown Polypropylene. • Saturated with high purity isopropyl alcohol (IPA). • Safe on most plastics. • Wipes are non smearing. • Does not streak hard surfaces.
<p>Areas of Application</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"> • For the sterilization of toilet seats, telephone receivers toys and the like. • Other areas that require rinse free sanitation of surfaces. • Disinfecting alcohol resistant medical devices. • Dental equipment and devices. • Instant and rapid disinfection of alcohol resistant equipments. • Alcohol resistant computer parts and electronic gadgets. • A neutral sanitiser which is ideal on hard surfaces and equipment.
<p>Application Instructions</p>	<p>Gently wipe the surface with wet wipe. Allow to air dry.</p>
<p>Wipe Dimension</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.

Composition	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.
Microbicidal Properties	Bactericidal, Fungicidal, Tuberculocidal, Virucidal .
Features	<ul style="list-style-type: none"> • Ready-to-use alcohol free disinfection wipes. • Broad spectrum anti microbial property. • Suitable for uncomplicated disinfection and cleaning In Hospitals. • Short action time. • Wide range of material compatibility. • Good coverage and cleaning power. • Safe and easy withdrawal of single wipes due to practical folding system. • Fresh lime fragrance. • Resealable packing.
Areas of Application	<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"> • Uncomplicated disinfecting and cleaning of equipments. • Alcohol sensitive application parts that cannot be submerged in liquids, such as ultrasonic heads of probes. • Disinfecting and cleaning of hard surfaces . • Disinfecting and cleaning small objects and surfaces such as toilet seats, door handles, bed frames and office desks.
Method of Application	<p>Normal Surface: 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>Dirty Surface: 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>
Wipe Dimension	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.

Composition	Each wipe contains : Ethyl Alcohol IP -70%V/V, Chlohexidine Gluconate Solution IP -2.5%W/V With Emollients, Moisturizers, Skin Care Ingredients and Absorbent Wipes.
Microbicidal Properties	Bactericidal,Fungicidal,Tuberculocidal, Virucidal against enveloped virus .
Features	<ul style="list-style-type: none"> • Wide and universal application. • Reliably reduces the danger of contact infection on hand, skin or alcohol resistant surface and objects. • Skin caring additives protects hands and skin even with frequent use. • Reduces the germ flora by more than 99.99% within 30 seconds. • Gentle to skin through replenishing substances and skin protecting components. • Broad spectrum of effect • Compatible with wide range of alcohol resistant materials. • Good coverage and rapid drying. • Made from highly absorbent fabric • Almost all the liquid is released when the wipe is used on the hand and surface.
Mode of Action	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. Chlorehexidine 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.
Areas of Application	<ul style="list-style-type: none"> • Disinfection of alcohol resistant surfaces ,equipments and instruments. • Disinfecting hands, surface, devices and articles contaminated with pathogens. • Applicable universally and everywhere. • Provide safety at work, when traveling and in other hygiene relevant situations. • Used for the hygienic hand disinfection and skin antiseptis as well as for the disinfection of alcohol-resistant surfaces. • Disinfecting hands before after the care of sick, elderly and babies. • For disinfecting toilet seats, telephone receivers .
Method of Application	<p>Cleaning and Disinfection of surface:</p> <p>Normal Surface: Wipe the surface with wet wipe until the surface is visibly wet. Let the surface remain wet. Allow to air dry.</p> <p>Dirty surface: 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>For Hygienic hand and skin disinfection: Use one wipe. In case of TB use two.</p>
Wipe Dimension	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.

Composition	Each wipe contains :Isopropyl Alcohol - 45%W/W, N,Propanol-30% W/W. Other Ingredients: DM Water, Propylene Glycol ,Glycerol , Mecetronium Ethylsulphate Fragrances, Emollients, Moisturizers and Skin Care Ingredients and Absorbent Wipes.
Microbicidal Properties	Bactericidal,Fungicidal,Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus), Adeno, Polio and Rotavirus.
Features	<ul style="list-style-type: none"> • Sterifast™ Disinfectant Wipes can reliably reduce the danger of contact infections on hands, skin and alcohol resistant surfaces. • Skin caring additives protect hands and skin, even with frequent use. • Reduces the germ flora by more than 99.99 % within 30 sec. • Reliably effective against highly contagious microbes. • Applicable everywhere. • Gentle to skin through replenishing substances. • Contains skin-protecting components.
Mode of Action	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.
Areas of Application	<ul style="list-style-type: none"> • Disinfection of alcohol resistant surfaces ,equipments and instruments. • Disinfecting hands, surface, devices and articles contaminated with Pathogens. • Applicable universally and everywhere. • Provide safety at work, when traveling and in other hygiene relevant situations. • Used for the hygienic hand disinfection and skin antiseptis as well as for the disinfection of alcohol-resistant surfaces. • Disinfecting hands before after the care of sick, elderly and babies. • For disinfecting toilet seats, telephone receivers.
Method of Application	<p>Cleaning and disinfection of surface:</p> <p>Normal surface: Wipe the surface with wet wipe until the surface is visibly wet. Let the surface remain wet. Allow to air dry.</p> <p>Dirty surface: 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>
Wipe Dimension	<p>C0184 : 8” x 10”</p> <p>C0185 : 5” X 7”</p>

HiCare Peroxy 6 % SAT Sterile Wipe System (C0252)

HiCare Peroxy 6% is a blend of 6% hydrogen peroxide and purified water and is effective against bacteria, fungi, moulds, yeasts and spores. HiCare Peroxy 6 % wipe is presaturated wipe achieving a greater than log 3 kill against fungal and bacillus spores in 2 mins. HiCare Peroxy 6 % wipe leaves little-to-no residue making it ideal for use in critical areas. HiCare Peroxy 6 % wipe is provided as a point-of-use saturated wipes system. Each double bagged pack contains a canister of 100 x 40 gsm Hydrophilic meltblown PP dry wipes and a 500 ml capped bottle of HiCare peroxy 6%. Simply add 500 ml of HiCare Peroxy 6% to the dry roll, 5 minutes before use, and use the impregnated wipes. HiCare Peroxy 6% is 0.2 micron filtered. The sterile product is filtered into pre-irradiated components. The dry wipe canister is irradiated at not less than 25 kGy.

Leaves little to no residue, making it ideal for critical areas.

Features and Benefits	
Impregnated wipes at point of use	Convenient and controlled application of disinfectant.
Sporicidal activity in 2 mins	Fast and easy to use.
Hydrogen peroxide breaks down to water and oxygen	Very low residue so suitable for product contact areas.
	Saves times since no residue removal is required.
	Ideal for a Grade A / B area.
100 Meltblown PP wipes in a canister	High quality wipe for transfer disinfection.
	Reduces amount of packaging generated.
Sterile version available.	Suitable for Grade A and B clean rooms.
Filtered to 0.2 microns.	Ensures the product is free from contamination and particulates.
Not classified as corrosive	Good operator acceptability as low odour and hazard.
Double bagged in linear tear packaging	Each bag is easy to open even when wearing gloves.

Wipe Dimension

6" x 8 "

HiCare Wipe Dispensing System (C0253)



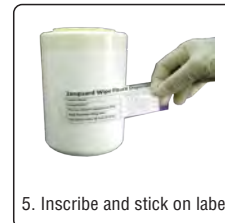
HiCare Wipe Dispensing System is a refillable, all-purpose fleece wipe dispenser for the surface disinfection. Wipe dispensing system reduces the preparation time and guarantees a high hygiene standard. The high-quality of wipe dispensing system ensures low consumption of fleece wipes and disinfectant. It protects use solution against contamination and evaporation.

<p>Features</p>	<ul style="list-style-type: none"> • Universally applicable . • Economic consumption of wipes and use-solution . • Protects use-solution against contamination and evaporation. • Coloured dispensing system for better product differentiation. • Tear-proof and absorbent fleece. • Solid dispenser with attached handle. • For all liquid HiCare surface disinfectants.
<p>Content</p>	<ol style="list-style-type: none"> 1. Wipe dispenser. 2. A lid with integrated dispensing system. 3. A dry wipe fleece roll in a protective cover. 4. A ascribable label.
<p>Description</p>	<ol style="list-style-type: none"> 1.Wipe Dispenser: The wipe dispenser is made of acid and alkali resistant high grade sturdy HDPE . The shape of dispenser is very convenient to carry it to the application area. The dispenser carries a roll of wet wipe soaked with the required quantity ready to use solution of the desired HiCare brand of disinfectants. 2.The dispensing system lid: It is also made of high grade sturdy HDPE. The lid contains another lid fixed at the center of the lid with center hole for drawing the wipe. A recognizable audible click is emitted when the lid is closed, this ensures air tight closure of the wipe dispensing system. The design of the dispensing system's opening ensures an easy withdrawal single fleece wipes. The dispensing system lid is available in blue, green, red and yellow, in order to differentiate the dispenser as per the use of the disinfectant concentrate. The color as indicated above are: <ul style="list-style-type: none"> • Blue-Aldehyde based disinfectants. • Green-Aldehyde free disinfectants. • Red-Alcohol based disinfectants. • Yellow- other disinfectants. 3. HiCare Wipes Rolls: The wipe rolls are selected on the basis of their application. Following wipe rolls are used in the Hicare wipe dispensing system : <ol style="list-style-type: none"> (I) Hydrophilic Meltblown blown PP and Hydrophilic PET. Meltblown PP and PET are lint free fabric . They are used for cleaning and disinfection of hard surface and all types of objects. They are extensively used in the clean rooms where dust free environment is required to be maintained. (ii) Polyester fabric are spunlaced fabric having very good tensile strength and high liquid absorbency. They are widely used in all the cleaning operations. (iii) Viscose is spunlaced fabric with excellent liquid absorbency and very soft feel. They are used in surface cleaning as well as cleaning of the hand and body. 4. Wipe roll protection cover: The wipe roll in the HiCare dispensing system are packed in a thick polypropylene protective cover. The protective cover prevents the use-solution from contamination or evaporation. <p>The HiCare Wipes dispenser system is intended for use with all HiCare surface disinfectants at exposure times of 1 hour or less (according to the VAH —Association for Applied Hygiene). The HiCare wipes dispenser is filled with ready to use solution made in accordance to the chart.(Refer page No 13) While preparing the use-solution, the respective product's application and safety related directions should be followed.</p>

HiCare Wipe Dispensing System (C0253)

Procedure For Soaking the wipe roll

1. Select dispensing system cap colour in accordance to the type of disinfectant to be used. (e.g. blue cap - aldehyde based, green cap - aldehyde-free, red cap - alcohol-based, yellow cap - all other products). Put on gloves to avoid contamination of the fleece roll.
2. Cut open the dry fleece roll protective cover and put the fleece roll in the dispenser along with the protective cover. slightly pull out the first wipe from the middle of the roll.
3. Prepare ready to use solution of the desired disinfectant as per the chart.(Refer page 13) Slowly pour the solution into the dispenser, more precisely, spirally from the fleece roll's middle to its outside in order to ensure a complete saturation. After 10 minutes, the evenly saturated roll is ready for use.
4. Draw first Wipe from the roll's middle through the opening of the central lid of the dispensing system and discard it. Pull out the second wipe from the centre opening slightly till it is visible. Shut the central lid . Put the outer lid on dispenser and press until it fits firmly on the dispenser.
5. Complete label and stick it on the indicated area on the Wipes dispenser



Reprocessing HiCare wipe Fleece Dispensing System

HiCare wipes soaked with disinfectant liquid can be used for 15 days without diminishing the efficacy. When the products are changed and same dispensing system is used for the new products. Following steps should be taken for reprocessing.

- Discard the left over fleece and disinfectant liquid
- Thoroughly rinse the dispenser and lid with water and dry.
- Disinfect the dispenser and lid with pre soaked 70% IPA wipes.

After the dispenser and lid are completely dry refill the dispenser with new roll and soak it with freshly prepared use solution. Follow the filling procedure given above. The freshly prepared wipe can be used for 15 days.

Areas of Application

HiCare - Wipes are recommended for the cleaning and surface disinfection in hospitals, nursing homes, where a maximum level of hygiene, efficiency, and convenience is desired. It is also used in areas which require repeated cleaning every day, as the one-time use of wipe assures a high level of hygiene as well as a reduced preparation time. The wipes are very effective for cleaning and disinfecting areas which are difficult to access. The areas where the wipes can be effectively used are: Cleaning and disinfecting work surface, stretchers, hospital beds, bedside tables and other surfaces in the proximity of the patients. Surfaces in isolation rooms for prevention of cross contamination in critical areas like operation theaters, ICU and other sensitive areas.

HiCare Wipe Dispensing System (C0253)

Chart for Preparation of the in use disinfectant solution for the HiCare Wipe Dispenser System:

Sr.No.	Product	Qty. of conc. required for 100 fleece roll	Qty. of conc. required for 50 fleece roll	Qty. of purified water required for preparation of soln. for 100 fleece roll	Qty. of purified water required for preparation of soln. for 50 fleece roll	Total Qty. of disinfectant soln. required for 100 fleece roll	Total Qty. of disinfectant soln. required for 50 fleece roll	Material of wipe fabric
1	InstaCull™	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	600 ml	300 ml	Meltblown PP
2	InstaCull™ Classic	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	800 ml	400 ml	Meltblown PP
3	Sterifast™	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	800 ml	400 ml	Polyster-Viscous
4	Hishield™ Wipe	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	600 ml	300 ml	Polyster-Viscous
5	Sterifast™ Plus Wipe	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	600 ml	300 ml	Polyster-Viscous
6	HiQuat RTU	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	600 ml	300 ml	Meltblown PP
7	70% IPA	Use Undiluted	Use Undiluted	Use Undiluted	Use Undiluted	600 ml	300 ml	Meltblown PP
8	Hister Plus	15 ml	7.5 ml	585 ml	292.5 ml	600 ml	300 ml	Meltblown PP
9	HiGlutquat Plus	20 ml	10 ml	580 ml	290 ml	600 ml	300 ml	Meltblown PP
10	AlkaSept™ Active	22 ml	11 ml	578 ml	289 ml	600 ml	300 ml	Meltblown PP
11	HiQuat D 531	18 ml	9 ml	582 ml	291 ml	600 ml	300 ml	Meltblown PP
12	HiQuat D 541	20 ml	10 ml	580 ml	290 ml	600 ml	300 ml	Meltblown PP
13	Hi Glut TH-4	25 ml	12.5 ml	575 ml	287.5 ml	600 ml	300 ml	Meltblown PP
14	HiQuat Citrus	20 ml	10 ml	580 ml	290 ml	600 ml	300 ml	Meltblown PP
15	HiQuat D331	75 ml	37.5 ml	525 ml	262.5 ml	600 ml	300 ml	Meltblown PP
16	HiQuat D905	20 ml	10 ml	580 ml	290 ml	600 ml	300 ml	Meltblown PP
17	Higuard Advance	18 ml	9 ml	582 ml	291 ml	600 ml	300 ml	Meltblown PP
18	Higuard Active	15 ml	7.5 ml	585 ml	292.5 ml	600 ml	300 ml	Meltblown PP

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

Composition	<p>Each ml contains :</p> <p>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, Methyl isothiazolinone, Propylene Glycol, Phenoxyethanol , Permitted Colour , Fragrance.</p>
Microbicidal Properties	<p>Effective at eliminating 99.99 % of many common harmful germs and bacteria iwithin 15 seconds.</p>
Features	<ul style="list-style-type: none"> • HiCare Hand Wash is an antiseptic wash Gel with replenishing properties and a broad spectrum of antiseptic effect. • Through selected and skin friendly ingredients, the wash Gel possesses a considerably better skin compatibility than conventional decontamination preparations • Stable consistency allows a long contact time with the skin so that dried soils are easily dissolved • Broad- spectrum bactericidal activity. Skin nurturing properties. • Skin-friendly pH value of approx.6.5. Excellent mucous membrane tolerability. Improves skin tolerance. • Enriched with moisturising agents • Tested under medical conditions • Broad Spectrum Efficacy (bacteria, yeast & virus) • Maintains skin balance without dryness. Readily Biodegradable. Environmentally friendly • Excellent foaming power. • Ethylene oxide and 1,4-dioxane free.
Mode of Action	<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>
Areas of Application	<ul style="list-style-type: none"> • Recommended for antiseptic hand washing. HiCare Hand Wash has an excellent dermatological tolerability. • Disinfecting and cleaning visibly soiled hands as antiseptic hand wash. • Recommended for repeated washing.
Method of Application	<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)



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.

Packing : 1 ltr and 5 ltr.

Composition

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, Methyl isothiazolinone, Permitted colour Perfume.

Microbicidal Properties

Effective at eliminating 99.99 % of many common harmful germs and bacteria within 15 seconds.

Features

- HiCare Foam Hand Wash is an antiseptic wash with replenishing properties and a broad spectrum of antiseptic effect.
- Through selected and skin friendly ingredients the wash possesses a considerably better skin compatibility than conventional decontamination preparations.
- The stable consistency allows a long contact time with the skin, so that dried soils are easily dissolved as well.
- Broad spectrum bactericidal activity .
- Skin nurturing properties.
- Skin-friendly pH value of approx.6.5 ,very good skin compatibility and good mucous membrane tolerability.
- Improves skin tolerance.
- Maintains skin balance without dryness.
- Readily Biodegradable.
- Environmentally friendly.
- Maintains skin balance.
- Good foaming power.

Mode of Action

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.

Areas of Application

- Recommended for antiseptic hand washing .
- Cleaning visibly soiled hands after contact with contaminated surface areas.
- Recommended for repeated washing

Method of Application

Disperse enough foam on the wet hand . Rub briskly over all surfaces including finger nails for 1 minute and wash hands with clean water.

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.

Composition	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.
Microbicidal Properties	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus), Adeno, Polio and Rotavirus.
Features	<ul style="list-style-type: none"> • No sticky after feel. • Excellent skin care properties. • Quicker application. • No mess . • Spreads easily . • Non-clogging . • Reduced risk of “slips, trips and falls” . • Effervescent.
Mode of Action	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.
Areas of Application	HiCare Foam Hand Sanitizer is suitable for hygienic disinfection. The preparation is used In all areas where aseptic hand disinfection is important.
Method of Application	<p>For Hygienic Hand Disinfection : Put enough product (One push of the pump) in your palm to cover hands. Rub thoroughly & briskly over entire surface of both hands including nails and grooves for 30 seconds.</p> <p>For Aseptic and Surgical Hand Disinfection: Put enough product (Two push of the pump) in your palm . Rub thoroughly & 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.

Composition	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 .
Microbicidal Properties	Bactericidal,Fungicidal,Tuberculocidal, Virucidal enveloped virus (incl. HBV , HIV , HCV, SARS Virus),Adeno,Polio and Rotavirus.
Features	<ul style="list-style-type: none"> • Comprehensive spectrum of activity. • Exceptional skin tolerance even with long-term use . • Excellent skin protection and skin care properties . • Unique system of skin moisturizers in HiCare hand sanitizer gel keeps skin smooth and soft .
Mode of Action	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.
Areas of Application	HiCare Hand Sanitizer Gel is suitable for hygienic disinfection. The preparation is used In all areas where aseptic hand disinfection is important.
Method of Application	Put enough product in your palm to cover hands and rub hands together briskly until dry.

HiCare Non Alcoholic Foam Hand Sanitizer (NAHS) (C0287)

	<p>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</p> <p>Packing : 1 ltr and 5 ltr</p>
<p>Composition</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, Methylchloroisothiazolinon, Phenoxy ethanol, PEG -7 Glyceryl Cocoate, Polysorbate -20, Fragrance.</p>
<p>Microbicidal Properties</p>	<p>Effective in eliminating 99.99 % of many common harmful germs and bacteria within 30 seconds.</p>
<p>Features</p>	<ul style="list-style-type: none"> • Broad spectrum activity against both gram positive and gram negative bacteria, fungi and viruses. • Bactericidal effect may be present even after 6 hours of usage. • Efficacy improves with repeated usage. • Stable and non flammable. • Since it is water-based, it can break through dirt and has no drying action on skin like alcohol. • No sensitization of skin. • Does not require rinsing before and after application. • No harsh effect on industrial floor wax, paint, and materials. • Unlike alcohol based hand sanitizer, it is nonflammable. • Quicker Application. • No Mess . • Spreads Easily. • Non-Clogging . • Reduced risk of “slips, trips and falls” . • Effervescent.
<p>Mode of Action</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>Areas of Application</p>	<p>HiCare NAHS is suitable for hygienic disinfection. The preparation is used in all areas where aseptic hand disinfection is important.</p>
<p>Method of Application</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>Composition</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>Microbicidal Properties</p>	<p>Bactericidal , Fungicidal , Tuberculocidal, Virucidal .</p>
<p>Features</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"> ▪ The product is suitable for hygienic and surgical hand disinfection in all areas where hygiene is relevant. ▪ Acts rapidly and comprehensively. ▪ Excellent skin care effect. ▪ Useable anywhere. ▪ Dries quickly without leaving any residue.
<p>Mode of Action</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>Areas of Application</p>	<p>Zentol is suitable for hygienic disinfection. The preparation is used In all areas where aseptic hand disinfection is important.</p>
<p>Method of Application</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. For wipe dispensing system 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

Composition	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.
Microbicidal Properties	Bactericidal ,Fungicidal , Tuberculocidal, Virucidal .
Features	<ul style="list-style-type: none"> ▪ Very good residual and persistent effect. ▪ Reduces the transient flora by more than 99.99 % in 30 s. ▪ Surgical hand disinfection within 1.5 min. ▪ Exceptionally good skin tolerability even with long term use. ▪ Excellent skin protection and skin care properties.
Mode of Action	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.
Areas of Application	Sterifast™ is suitable for hygienic disinfection. The preparation is used in all areas where aseptic hand disinfection is important.
Method of Application	<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>For Wipe Dispensing System</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 (C0251)



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

Composition	Non Ionic and Amphoteric Surfactants, Solvents, Complexing Agents, Amino Acid Derivatives, Corrosion Inhibitors, antifoaming Agents, Preservatives.
Features	<ul style="list-style-type: none"> • Dissolves oil, dirt, tar and stains from instruments and surface readily. • High degree of material compatibility for machine and Instruments. • Economical. • Phosphate-free. • Environmentally friendly. • Compatible with High Level Disinfectants. • Contains the key ingredients important for rapid, more complete penetration and effective removal of bio-burden. • Contains highly effective solvents important for rapid, more complete penetration and effective removal of bio-burden. • Fast acting: begins to act in just one minute allowing fast turn around of instruments. • Easy rinsing: Its low foaming properties and neutral pH prevent it from leaving residues so that instruments can be effectively disinfected. • Easily removes organic stains like blood spots etc. from the cloth. • Stainsol is highly effective in cleaning all types of stain and dirty equipments . • As neutral cleaner, Stainsol is universally applicable and can be used for many types of cleaning. • For thorough and gentle neutral cleaning of all washable surfaces and objects. • Compatible with surface disinfectants to impart more disinfectant property.
Areas of Application	<ul style="list-style-type: none"> • Suitable as gloss finish cleaner for all washable surfaces and laminated floors. • Stainsol is particularly suitable for removing stains and other marks from the equipments, tables, chairs, cloth and other accessories. • Cleaning of all water-resistant materials, e.g. Synthetics, Varnished surfaces . • Streak- and residue-free cleaning of sensitive surfaces such as glass, mirrors, stainless steel and ceramics . • Maintenance cleaning of all laminated floors . • Automated cleaning of all floors with floor cleaning machines. • Cleaning of electrostatic discharge flooring.
Method of Application	<p>For removing tough stains: 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>For removing tough and dirty stains: Dissolve 50 ml. Stainsol in 1 litre of water and clean as above.</p> <p>For removing general stain : Dissolve 15 ml Stainsol in 1 litre of water and clean as above.</p> <p>For normal cleaning of dirty surface : Dissolve 10 ml Stainsol in 1 litre of water and clean as above.</p>
Material compatibility	<p>Stainsol use solution compatible to</p> <p>Metals :Stainless steel, Copper, Brass, Aluminium</p> <p>Plastics : Polyamide,Polyethylene,Polypropylene,Polystyrene,Polyurethane,PVC,Acryl butadiene, Silicon, Rubber, Latex, Makrolon, Acrylic,Glass,Teflon.</p> <p>Flooring : 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>Composition</p>	<p>Organic acids, Inorganic acid , Non ionic surfactant, Chelating Agents, Corrosion Inhibitors, De Ionized Water.</p>
<p>Features</p>	<ul style="list-style-type: none"> • Excellent disinfectant cleaner . • Excellent cleaning power on mineral and organic soil. • Effectively remove stubborn calcification, grease, and urinary calculus and cosmetic residues. • Removes stains and hard water deposits. • Removes stubborn organic residues of the instruments. • As cleaner for entire sanitary area for rapid and reliable removal of primary minerals and organic soils.
<p>Areas of Application</p>	<ul style="list-style-type: none"> • Suitable for all acid resistant material such as porcelain, Stainless Steel, Chromium, Aluminium, Colourfast synthetics, Rubber, Tiles, Glass and enamels . • As anti-calcification agent in the kitchen. • Cleaning of surgical instruments with stubborn stains. • Cleaning of pipelines of food and dairy. • Cleaning of instruments made of SS, hardened chrome steel and chrome Nickel steel.
<p>Method of Application</p>	<ul style="list-style-type: none"> • Cleaning in immersion bath :Instruments are immersed in a warm 1 to 10% Hi Clean & Cure solution(10 to 100 ml / lt at 50°C for 1 hour). • For Instruments with carbide insert use only 1-3% Hi Clean & Cure solution after contact time of 1 hour the instruments are removed and thoroughly rinsed with water and dried. • For internal cleaning of pipe line pass (50 ml in 1 litre water) diluted Hi Clean & Cure through the pipe line & Rinse thoroughly with clean water.

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.

Composition	Active Ingredients: Di decyl 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, pHRegulators and Corrosion Inhibitors.
Microbicidal Properties	Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus.)
Features	<ul style="list-style-type: none"> • Disinfectant cleaner with low use concentration . • Aldehyde free. • Citrus fragrance. • Optimized residual characteristics. • Combines powerful disinfectant properties of 5th generation quats with the solvency and natural fragrance of Citrus oil to give a perfect disinfectant cleaner. • Effectively removes soils from surfaces, even in hard water up to 250 ppm hardness. • Suitable for all types of surfaces.
Mode of Action	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.
Areas of Application	<ul style="list-style-type: none"> • Suitable for the cleaning and surface disinfection of washable surfaces in high risk areas using the wet wipe procedure. • Suitable for instrument disinfection. • Can be used as a fogging agent.
Method of Application	<p>Disinfection of pre cleaned surface, critical and non critical instruments 4 ml in 1 litre of water.</p> <p>Disinfection of critical areas 10 ml in 1 litre of water. Let the surface remain wet for 10 minutes.</p> <p>For Fogging 10 ml in 1 litre of water.</p> <p>For wipe dispensing system 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.

Composition	Each ml contains : 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, Chelating Agents, pH Regulators and Corrosion Inhibitors.
Microbicidal Properties	Bactericidal,Fungicidal, Tuberculocidal,Sporicidal,Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus)
Features	<ul style="list-style-type: none"> • Aldehyde free. • Combines Powerful disinfectant properties of 5th generation quaternary compound with that of bigunide. • Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis.Long lasting residual effect.Triple killing power. • Prevents pathogenic mutation and resistance. • Efficient broad spectrum activity in high risk conditions .
Mode of Action	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.
Areas of Application	<ul style="list-style-type: none"> • High level disinfectant for hard surface and instruments. • Suitable for manual and semiautomatic circulation procedure • Suitable for fully automatic cold disinfection procedure. • Suitable for the cleaning surface disinfection of washable surfaces using the wet wipe procedure. • In all Critical areas of Pharma,Food Industry ,Hospitals and nursing homes, • Areas in the pharmaceutical industry that are relevant to hygiene. • Laboratories and cosmetics industry.
Method of Application	<p>Disinfection of pre cleaned surface, non critical instruments: 4 ml in 1 litre of water.</p> <p>Disinfection of critical areas : 10 ml in 1 litre of water. Let the surface remain wet for 10 minutes.</p> <p>For Fogging 10 ml in 1 litre of water.</p> <p>For Wipe Dispensing System 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

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

Composition	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.
Microbicidal Properties	Effective on common pathogens.
Features	<ul style="list-style-type: none"> • Aldehyde free. • Low use concentration. • Sparkling golden colour. • Fragrant . • Optimized residue characteristics . • Gives distinct blue shade when mixed in water . • Contains in-built cleanser for perfect cleaning . • Economical. • Universal application.
Mode of Action	The active ingredient of Germikleen 5 % i.e. Benzalkonium chloride destroys metabolic activities of microorganisms and also inactivates cell proteins by coagulating them.
Areas of Application	Suitable for the cleaning and disinfection of the flooring of common areas.
Method of Application	Disinfection of pre cleaned surface : 10 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

Composition	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 .
Microbicidal Properties	Effective on common pathogens.
Features	<ul style="list-style-type: none"> • Aldehyde free. • Low use concentration. • Sparkling golden colour. • Fragrant . • Optimized residue characteristics . • Gives distinct blue shade when mixed in water . • Contains in-built cleanser for perfect cleaning . • Economical. • Universal application.
Mode of Action	The active ingredient of Germikleen 2.5 % i.e. Benzalkonium chloride destroys metabolic activities of microorganisms and also inactivates cell proteins by coagulating them.
Areas of Application	Suitable for the cleaning and disinfection of the flooring of common areas.
Method of Application	Disinfection of pre cleaned surface : 15 ml in 1 Litre of water

InstaCull™ (C0109/110)



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>Composition</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>Microbicidal Properties</p>	<p>Bactericidal, Fungicidal, Tuberculocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus)</p>
<p>Features</p>	<ul style="list-style-type: none"> ● The synergistic blend of five active ingredients produces the fast acting and efficient disinfectant. ● Suitable for the rapid disinfection of alcohol resistant surfaces. ● Fast drying. ● Aldehyde free. ● Fragrance and colourant – free. ● Prolonged residual action . ● Wide spectrum of anti microbial property including virus, mycobactor and spores.
<p>Areas of Application</p>	<ul style="list-style-type: none"> ● Instant and rapid disinfection of devices and instruments diagnostic accessories, ● Instant and rapid disinfection of devices and instruments of Dentists. ● Instant and rapid disinfection of devices and instruments of Dental surgery. ● Instant and rapid disinfection of Orthodontic Instruments. ● Instant and rapid disinfection of Prosthodontic Instruments. ● Alcohol-resistant surfaces in both, professional and private domains. ● For disinfecting toilet seats, telephone receivers.
<p>Method of Application</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>For wipe dispensing system</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.(C0253)</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

Composition	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.
Microbicidal Properties	Bactericidal,Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold and Protozoa Virucidal Against Enveloped Virus (Incl.HBV,HIV,HCV,SARS Virus.)
Features	<ul style="list-style-type: none"> • Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis • Contains micro-emulsion particles that enables the active ingredients to be carried rapidly through the cell walls of micro organisms. • 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. • Aldehyde free. • Optimized residue characteristics. • Contains in built cleanser for perfect cleaning. • Alkaline hospital disinfectant detergent. using mixture of four 5th generation quat . • Highly efficient in hard water, and excellent in the presence of organic soil. • Suitable for all types of surfaces.
Mode of Action	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 .
Areas of Application	<ul style="list-style-type: none"> • Fogging isolation ward/room . • Fogging critical areas of pharmaceuticals. • Suitable for the cleaning and surface disinfection of washable surfaces using the wet wipe procedure . • Cleaning, disinfecting and deodorizing bad pans, bath room and foul smelling areas. • Cleaning and disinfecting hospitals and residential/nursing homes, particularly for all functional areas. • Cleaning and disinfecting areas in the food industry that are relevant to hygiene.
Method of Application	<ul style="list-style-type: none"> • Aerial Fogging :- 15 ml in 1 ltr of water (Use power fogger). • Disinfecting precleaned surface Semi & non critical instrument sterilization : 10 ml in 1 water. • Disinfectant of Critical areas :- 15 ml in 1 ltr water (Use any type of fogger) <p>For wipe dispensing system 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

Composition	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.
Microbicidal Properties	Bactericidal,Fungicidal, Facultative Anaerobes, Aerobes, Fungi, Yeast, Mold And Protozoa Virucidal Against Enveloped Virus Incl.HBV,HIV,HCV,SARS Virus.
Features	<ul style="list-style-type: none"> • Aldehyde free. • Combines Powerful disinfectant properties of 5th generation quaternary compound with that of bigunide . • Penetrates microbial cell wall swiftly and effectively binds the cellular protein ensures total lysis . • Contains micro-emulsion particles that enables the active ingredients to be carried rapidly through the cell walls of micro organisms. • Micro-emulsion particles of HiQuat D531 enters difficult to reach areas like microscopic fissures and crevices of the hard surfaces easily. • Long lasting residual effect. • Triple killing power. • Prevents pathogenic mutation and resistance. • Efficient broad spectrum activity in high risk conditions. • Ideal for fogging in high risk areas.
Areas of Application	<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"> • Suitable for the cleaning and surface disinfection of washable surfaces using the wet wipe procedure . • Cleaning, disinfecting and deodorizing bad pans, bath room and foul smelling areas. • Cleaning and disinfecting Hospitals and residential/nursing homes, particularly for all functional areas. • Cleaning and disinfecting areas in the Food industry that are relevant to hygiene.
Method of Application	<ul style="list-style-type: none"> • Aerial Fogging :- 10 ml in 1 ltr of water (Use power fogger). • Disinfecting precleaned surface Semi & non critical instrument Sterilization : 5 ml in 1ltr water (Mopping or spraying Dip instrument depending on contact time & Organic load) • Disinfectant of Critical areas :- 10 ml in 1 ltr water (Use any type of fogger) • Disinfection of surgical & critical Instruments: - 10 ml in 1 ltr water (Dip the instrument depending on the contact time.) • Pharmaceutical or vaccine manufacturing area class 100 or class A area :- 10 ml in 1 ltr water (Spray using power sprayer). • Decontamination of surgical refuge :- 15 ml in 1 ltr water (Dip the refuge for 40 minutes before disposing). <p>For wipe dispensing system For 100 wipe roll use 18 ml HiQuat D531 in 582 ml Purified water. For 50 wipe roll use 9 ml HiQuat D531in 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 coat formation.

Packing : 1000 ml and 5000 ml.

Composition	Active Ingredients: Hydrogen Peroxide IP : 12.0% W/W, Silver Nitrate IP : 0.01% W/W . Other Ingredients: DM Water.
Microbicidal Properties	Bactericidal, Fungicidal, Tuberculocidal, Sporocidal, Virucidal against enveloped virus (incl. HBV, HIV, HCV, SARS Virus) Virucidal (Adeno, Polio, papova, vaccinia virus, Rotavirus and HAV).
Features	<ul style="list-style-type: none"> • It is effective against all kinds of bacteria, viruses, yeast, mould and spore formers. • Penetrates and eliminates biofilm layers. • Non inflammable, does not form any explosive vapour. • It is Environmentally friendly — practically 100% degradable breaking down to water and oxygen. • Does not create odor or alter the taste of foodstuffs or treated water. • Highly effective over long periods even at very high water temperatures. • Has no toxic effect in its diluted state. • No carcinogenic or mutagenic effect. • Low corrosive effect. • As fumigant and surface disinfectant in hospital's OT, ICU, Blood banks, Poly clinics, clinical /diagnostic laboratories.
Areas of Application	<ul style="list-style-type: none"> • As fumigant and surface disinfectant in pharmaceutical, Food and Dairy industries. • As disinfectant in Agriculture Sector, Animal Husbandry, Fruit orchards and Vegetable farms, Tobacco and Cotton manufacturers. • In air conditioning and Refrigeration Plants: Humidifiers, Cooling towers for elimination of algae. • Consumer goods and amenities: Drinking water, Swimming pools, Waste water treatment etc.
Method of Application	<ol style="list-style-type: none"> 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. 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. 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.

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.

<p>Composition</p>	<p>Specially formulated mixtures of Soya and Rice Bran powder, Micronutrients, Specially developed enzymes and Treated Waste Water (Our patented technology)</p>
<p>Features</p>	<ul style="list-style-type: none"> • Cost effective. • Operative at low dosage rates. • Wide range of operative conditions. • Long residual effect. • Natural anti-microbial action – sanitizes as it works. • 100% natural. • Non-toxic, non-chemical, non-pathogenic. • Harmless to humans and the environment. • Rapid reduction in volume of waste. • Elimination of odor issues. • Reduction in carbon dioxide. • Increased system capacity as additional waste can be processed fully in less time. • Improves air and water emission standards to help meet environmental industry standards and community expectations. • Removes amine compounds that attract flies, cockroaches and other insects. • Biowizard compost digests Ammonia and Amines thus, reducing presence of houseflies decreasing egg and larva hatchability.
<p>Areas of Application</p>	<ul style="list-style-type: none"> • Garbage dumping grounds. • Composting plants. • Organic Fertilizer manufacturing plants.
<p>Method of Application</p>	<p>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.</p>

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 odor 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 odor-causing molecules. It breaks down volatile organic compounds into inert and smell-free compounds. Biowizard Air Purifier rapidly reduces odor in land fill sites and composting facilities.

Packing : 500 gms and 1 kgs.

<p>Composition</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>Features</p>	<ul style="list-style-type: none"> • Biowizard activates beneficial microbes to fully digest the compounds that cause most noxious smells including ammonia, hydrogen sulphide, amines and mercaptans. • Biowizard contains enzymes, antioxidants and essential oils which in combination imparts buffer effect on odor reducing the intensity of the odor substantially immediately after application. • Fast acting. • Effective on a wide range of volatile organic compounds (VOC). • Removes rather than mask odor. • Cost effective. • Operative at low dosage rates. • Long residual effect. • 100% natural and non-toxic. • Safe for humans and the environment. • Each granule encapsulates essential oils, consortium of microbes, enzymes and nutrients.
<p>Areas of Application</p>	<p>Municipal dumping grounds, Chronic garbage spots ,Garbage Carrying Vehicles, Hotels & restaurants , Vegetable & Fish Market ,Hospitals, Canteens , Food processing industries , Industries and offices , Railways ,Airports, Industries ,Office complexes to control foul odor and elimination of green house gases.</p>
<p>Method of Application</p>	<p>Biowizard Air Purifier 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 in the ratio of 1part (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.

Composition	Dextrose, Skim Milk Powder, Starch , Multienzymes, Micronutrients, Treated waste water (Our Patented Technology) and Salts.
Features	<ul style="list-style-type: none"> • Reduces odour significantly . • Reduces sludge biomass . • Substantial energy savings due to less aeration. • Lowers sludge haulage and disposal costs. • Reduces chemical additive costs . Increases plant capacity. • Reduces plant equipment wear and tear. • Improves process stability. • Improves effluent quality(reduces BOD, COD, SS, TKN and Turbidity). • Suitable for all biological treatment plants. • No capital costs required for implementation. • 100% natural and biodegradable. • Non-toxic, non-chemical and non-pathogenic. • Simplifies plant operation with minimal risk of biomass loss. • Cost effective dosage protocol. • Nutrient reduction. • Improves final discharge. • Significantly reduces greenhouse gas emissions . • Reduced operating costs.
Areas of Application	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.
Method of Application	<p>Pre-activation: 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>Application: 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.

Composition	Dextrose, Micronutrients, Specially developed enzymes, treated waste water (Our Patented Technology)																								
Features	<ul style="list-style-type: none"> • Biologically breakdowns organic waste in Septic tank, Toilets drains and Kitchen drains • Preventing blockages in drain or pipe lines • Keeps sewer lines, septic tanks and drain fields cleaner • 100% environment friendly • Reduces faecal coliforms • Completely eliminates odour problems • Lowers maintenance cost • 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. 																								
Areas of Application	Reducing sludge formation and elimination of foul smell from septic tanks of Hospitals and nursing Homes.																								
Method of Application	<p>Instruction for use: 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>Monthly Dosing for Household & Individual Toilets : 50 gms in each Toilet</p> <p>Monthly Dosing protocol for Septic Tanks</p> <p>This Biowizard Sanitary Dosing Protocol is suitable for individual, Commercial and Municipal septic tank systems.</p> <p>Key Objectives : Solids reduction leads to increased capacity of system. Odour reduction. Improved leach field infiltration. Reduced effluent loadings.</p> <p>Tanks with low inflow:</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>Tanks with High inflow:</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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- 1) Water and Wastewater Engineering Systems. Pitman Publishing, London.(Barnes, B., Bliss, P.J., Gould, B.W., and Valentine, 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.

Composition	Orange oil, Lemon grass oil, Eucalyptus oil, Citronella oil, Camphor Oil, Terpeneol, Pine oil, Neem oil, Specially developed combination of Multi Enzymes.
Features	<ul style="list-style-type: none"> • Deodorizes and repels insects and cleans in one step. • Repels insects and reptiles. • Creates refreshing atmosphere. • Fragrance lasts for a very long period. • Formulated essential oils, naturally occurring plant extracts and specially developed enzymes. • All the compounds used in the formulation are biodegradable and eco-friendly. • Completely masks the foul, obnoxious and offensive smell with its own soothing fragrance. • Does not interfere or alter the natural fermentation processes in garbage dumping grounds. • Prevents scale formation. • Excellent cleaner cum stain remover. • Nontoxic.
Areas of Application	For masking foul odor and cleaner cum insect repellent in hospitals.
Method of Application	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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- 1) Essential Oil Repellents (R V GEETHA , ANITHA ROY.)
- 2) History of insect repellents. (Moore, S.J. and M. Debboun 2007.)
- 3) Efficacy and repellency of essential oils (Hanem F. Khater and Christopher J. Geden.)
- 4) Efficacy of essential oils from edible plants as insecticides. (Palacios, S.M., A. Bertoni ,Y. Rossi, R. Santander, and A. Urzua. 2009.)



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Unique Surgical Instrument Rust remover

HiGiene Germitol

(CO008)

Sanitize your floors effortlessly



Peroxide Silver

(CO165)

Peroxide Silver is a universal eco friendly broad spectrum disinfectant (Oxidizing agent)



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1. Sean C Sweetman (editor) 2011 Martindale- The Complete Drug Reference, 39th edition, Pharmaceutical Press.
2. Daryl S. Paulson (editor) 1999, Topical Antimicrobial Testing and Evaluation.



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