

## ASEPTIX HEALTH SCIENCES

Aseptix is a clean chemistry health sciences company focused on developing and commercializing proprietary technologies that safely, effectively and quickly kill contagious pathogens.

Aseptix owns a portfolio of intellectual property and platform technologies that enable the development of safe, sustainable technologies. They provide a solution to a broad range of markets that depend upon controlling contamination, including food safety, area disinfection, healthcare, wellness, leisure, nursing, medical device disinfection, and hospitality.

Aseptix' patented technologies are designed to limit the spread of infectious disease, including major public health threats of Tuberculosis, MRSA, VRE, E.coli, Norovirus, Avian Influenza, HIV, Poliovirus, SARS, and Legionella.


Aseptix offers professional hydrogen peroxide based cleaner-disinfectants and skin disinfectants for many applications, ranging from general purpose to specialized medical environments. These product lines are developed to enable our clients to create a hygienic situation under all circumstances. Faster, safer and simpler than ever before.

Aseptix applies true sustainability thinking at all phases of the product life-cycle, from product design to manufacture, to in use, work instructions and disposal.

Aseptix is an ISO 9001:2000 and ISO 13485:2003 accredited company.

### Aseptix: Ensuring Quality & Compliance





## Aseptix offers Effective and Fast Working Disinfection Alternatives, that are User and Environmentally Friendly.

Aseptix makes use of highly advanced technologies and based on extensive scientific research and evidence. Our formulas capitalize on the friendliness of hydrogen peroxide, which natural disinfection power is boosted by our patented technologies, in order to obtain the necessary efficacy at low concentrations already. This unique combination of friendliness and effectiveness enables the use of our products in new and existing applications, without the hazards of traditional chemicals.

## OUR PRODUCT LINES

Our product lines are developed according to the philosophy that disinfection should be possible in any situation, but with the knowledge that not all applications have the same requirements.

### SURFACE CLEANER-DISINFECTANTS

- PuraSan®- line** Basic cleaner-disinfectants for **high convenience** applications.
- UltraSan®- line** High end cleaner-disinfectants with **broad spectrum** efficacy.
- CidalSan®- line** **Non scented** cleaner-disinfectants for use in food environments.

### LARGE AREA & AIR DISINFECTANTS

- AerOx®- line** High performance ultrasonic **hydrogen peroxide vaporization** (HPV) system using Aseptix biodegradable, food safe and low residue fogging liquids.

### SKIN DISINFECTANTS

- GermGuard®** A line of **hand disinfectants** (soaps and rubs), without Triclosan, PCMX, chlorhexidine and quats. Conform to and exceed the European Norms for disinfection. Professional series are non-fragranced.

### PuraSan®-line:

Basic Cleaner-Disinfectants for High Convenience Applications.

The PuraSan® product range offers fast disinfection action, and high convenience. PuraSan® is our range of convenient cleaner disinfectants, specifically designed for customer facing hygiene situations. PuraSan® products are used to build and protect your reputation for impeccable quality and hygiene, leaving a streakless and sanitized surface. Available products:

**PuraSan®:** A basic cleaner-disinfectant, delicately fragranced, with a good disinfection capacity, intended for non-critical applications such as hotels, bars, restaurants, catering and office use. Excellent on glass & stainless steel.

**PuraSan® Health & Wellness:** The PuraSan version specifically aimed at the health & wellness sector with an eucalyptus & mint fragrance, including spas, fitness centers, swimming pools and sun tanning studios.

**PuraSan® Sanitary:** A basic cleaner disinfectant specifically developed for sanitary environments. The product leaves an immaculate appearance when used on tiles, chrome, glass and sinks. To be used in bathrooms, toilets, shower rooms, locker rooms etc.

**PuraSan® Floor:** This floor cleaner-disinfectant is offered in a concentrated form, enabling efficient disinfection of large areas. As with all Aseptix Floor Products, PuraSan Floor is compatible with microfiber cloth, and can thus be used in combination with all microfiber programs, ensuring convenient, safe and ergonomic cleaning and disinfection under all circumstances. Low foaming for use in autoscrubbers and floor machines.

### UltraSan®-line:

High end Cleaner-Disinfectants with Broad Spectrum Efficacy.

UltraSan® represents the next generation of disinfectant cleaners. The range offers cleaning and disinfection capacity in one. Featuring broad spectrum efficacy, effective and simple to use, the line does not contain alcohol, QAC's, formaldehyde or chlorine based compounds. Available products:

**UltraSan® UltraRapid:** A rapidly working and easy-to-use cleaner disinfectant with bactericidal, fungicidal, virucidal, mycobactericidal and tuberculocidal efficacy, for use on washable hard surfaces. The product is bactericidal in 30 seconds according to EN norms, is VAH listed and fulfills the DGHM-requirements in under 5 minutes. Specially developed for environments in which short kill time and a broad spectrum of efficacy is required. Fast antimicrobial action saves time and enhances convenience. Intended for use in healthcare environments, dental practices and nursing homes.

**UltraSan® Broad Spectrum:** UltraSan® Broad Spectrum is our top of the line professional, ready-to-use rapid cleaner disinfectant with a broad spectrum of antimicrobial activity. UltraSan® Broad Spectrum is bactericidal, virucidal, fungicidal, yeasticidal, tuberculocidal, mycobactericidal and sporicidal, including C. diff spores. UltraSan® Broad Spectrum can act as a chemosterilant, and is therefore suited for critical applications in healthcare, nursing and paramedical environments.

**UltraSan® Sanitary:** Sanitary environments are an important source in pathogenic spreading and disease transmittance. Therefore maintaining high hygiene standards in sanitary environments is important, especially in healthcare, nursing and paramedical environments. UltraSan® Sanitary is specifically designed for sanitary environments featuring quick disinfection and effective cleaning, descaling characteristics and leaving no residue after wiping.

**UltraSan® Floor:** This sophisticated floor product is the more enhanced version of the PuraSan floor product, boasting even a faster antimicrobial efficacy, making it suitable for more demanding application areas. Available as a concentrate in order to combine cost efficiency with compliance. Microfiber compatible.

### **CidalSan®-line:**

Non Scented Cleaner-Disinfectants for use in Food Environments.

The CidalSan® range consists of non-fragranced, heavy duty cleaner disinfectants. This range is especially developed for high demand situations in which enhanced cleaning capacity is needed. The products offer high performance cleaning and disinfecting capacity in one. Available products:

**CidalSan® KitchenGuard:** CidalSan® KitchenGuard is a professional heavy duty rapid cleaner-disinfectant with enhanced cleaning capacity and a broad spectrum kill. Having no fragrance and good degreasing capacity, this product was specifically developed for cleaning and disinfecting in food preparation environments.

**CidalSan® Large Area:** A non-fragranced, highly effective disinfectant concentrate delivering effective performance in cleaning and disinfecting larger surfaces such as floors, walls, large food processing areas, table tops, kitchen surfaces, ceilings etc. For use in food preparation and processing areas, veterinary environments, transportation and food storages. Excellent for end of day disinfection.

**AerOx®-line:** High Performance Hydrogen Peroxide Vaporization (HPV) using Biodegradable, Food Safe and Low Residue Fogging Liquids.

The AerOx® range provides for a broad spectrum kill of various pathogens, including bacteria, fungi, yeasts, TBC, mycobacteria, viruses and spores – including *C. difficile*, MRSA, and VRE, with acceptable contact times. It has a strong deodorizing capacity and does not contain any toxic or hazardous chemicals, nor does it produce dangerous gasses. Within a few hours after use, a room is fully disinfected and decontaminated and can be safely entered. The liquid composition is based on patented Aseptix technologies. The AerOx® liquids are developed to work optimally in combination with Aseptix ultrasonic fogging devices. Available products:

**AerOx®:** A highly effective product for room disinfection. Minimal residue, food compatible. Suitable for use in food and veterinary environments, air conditioning systems, aviation, cruise ships, etc.

**AerOx® Medical:** A premium and ultra broad room disinfection product, suitable for more demanding situations such as medical environments and in case of outbreaks.

### **GermGuard®-line:**

Mild & Effective Hand Disinfectants without Harmful Chemicals.

A line of ultra mild and fast acting hand disinfectants (soaps as well as hand rubs) without Triclosan, PCMX, chlorhexidine and QAC's. The products conform to and even exceed the European Norms for disinfection. The products are available in user friendly dispensers, for use in normal and more demanding environments (for example food and medical). Available products:

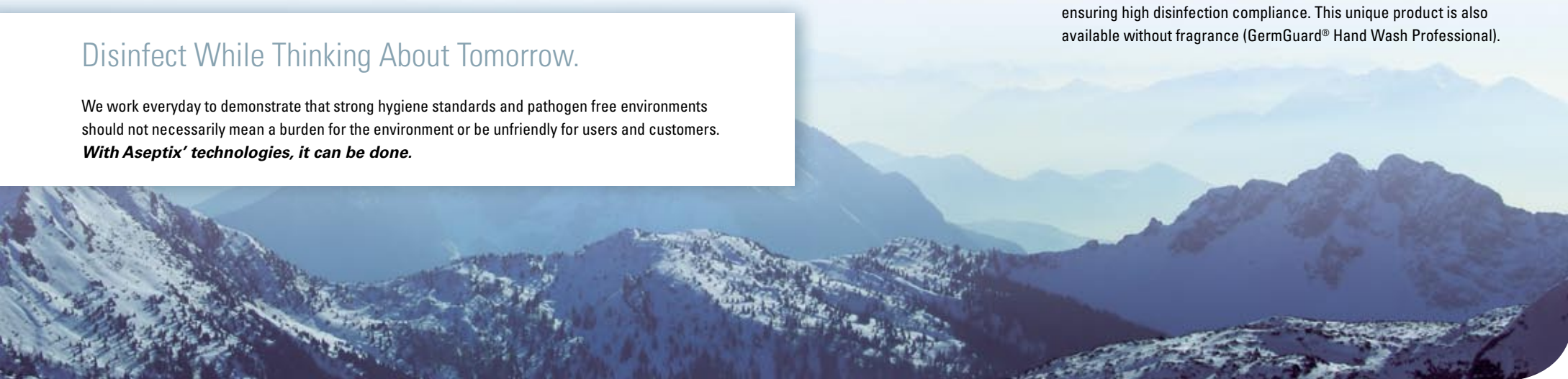
**GermGuard® Hand Rub:** GermGuard® Hand Rub is a disinfecting and moisturizing hand rub, specifically designed for skin disinfection applications in which high efficacy and good skin compatibility are key. To be used without water, just rub hands to dry. Available as foam and spray. Does not dry out the skin. Also available in a non-fragranced version (GermGuard® Hand Rub Professional). This product features even faster disinfection.

**GermGuard® Hand Wash:** An ultra mild disinfecting skin wash based on a revolutionary and patented formula, not containing Triclosan, quaternary ammonium compounds, phenolics, PCMX, chlorhexidine or alcohol. Especially designed for high demand disinfection capacity while washing hands. GermGuard® Hand Wash produces a rich, creamy foam, cleans effectively and rinses off easily. The unique formula will keep the skin supple, soft, and well moisturized, while ensuring high disinfection compliance. This unique product is also available without fragrance (GermGuard® Hand Wash Professional).

## Disinfect While Thinking About Tomorrow.

We work everyday to demonstrate that strong hygiene standards and pathogen free environments should not necessarily mean a burden for the environment or be unfriendly for users and customers.

**With Aseptix' technologies, it can be done.**



## Our Current Society burdens Future Generations on a Massive Scale, also in the World of Cleaning and Disinfection.

Unacceptable, we say. That is why we offer alternatives to current disinfection means, based on hydrogen peroxide, an ingredient that when used decomposes into water and oxygen. Our products do their job efficiently and effectively, without volatile organic compounds (VOC's), solvents, halogens, nonylphenoethoxylates, QAC's, chlorines, amines, aldehydes or phenols. ***With Aseptix' technologies, it can be done.***





## WHY CHOOSE ASEPTIX®?

**Broad Spectrum Antimicrobial Activity** - Aseptix products kill a wide spectrum of micro-organisms in short contact times. We do not compromise on spectrum of efficacy. Compare Aseptix to competitor kill spectra and their safety warnings, and you will notice the difference.

**Fast Antimicrobial Action** - User friendliness and realistic contact times ensure true compliance to disinfection norms. Where traditional disinfectants require very long, and practically unfeasible and even unrealistic contact times, Aseptix works fast and effective and in dirty conditions as well. Aseptix products are developed for practice and compliance, not for optimized laboratory test results.

**User Friendliness, Saving Time** - Cleaning and disinfection in one step saves you time. Contrary to most other disinfectants, our products leave a streakless surface and no active residues. The absence of safety warnings or hazard signs in the use diluted form, makes them easy to use. Saving time and saving costs on use precautions just saves you money. It is as simple as that.

**No Environmental Burdens** - The active ingredient (hydrogen peroxide) breaks down into oxygen and water, our other ingredients are all readily biodegradable, leaving no active residues. Where QAC's, phenols and Triclosan persist in waste water and continue to pollute the environment, Aseptix is basically gone after use. Extreme disinfection and ecological responsibility in perfect balance.

**No Antimicrobial Resistance** - Antimicrobial resistance is a huge problem, only increasing with the use of traditional chemicals. Due to the mechanism of action, our products cause no antimicrobial resistance – contrary to QAC's and phenols.

**Trust vs Proof** - Disinfection is all about trust. In a world where compliance is key, trust is good - but proof is better. That is why we build the confidence of our clients with scientific evidence supporting all our claims from independent and renowned laboratories. This is how we develop products that really work in practice. That's the difference between promising and delivering.



## We Care About Antimicrobial Resistance.

Most disinfectants increase antimicrobial resistance, making the germ problem bigger while trying to fight it. With consequences we do not even dare to think of. With this in mind, Aseptix developed a full range of products that eradicates this issue.

***With Aseptix' technologies, it can be done.***

## HEALTHCARE

Aseptix has developed a full range of fast acting and easy to use disinfection solutions, to meet and exceed the hygiene requirements for all types of healthcare facilities. The range covers all areas, from patient rooms, reception areas, washrooms, corridors, high risk areas, kitchens to hand care. We ensure your staff, patients and visitors feel confident in the hygiene environment of your facility without compromising user and patient safety and without damaging the environmental integrity.

### Compliance is key

For the Healthcare sector, we have developed a line of top-end products that specifically meets the most stringent requirements. The typical characteristics all contribute to increased compliance.

- Realistic Contact Times
- Broad Spectrum of Antimicrobial Efficacy
- No Antimicrobial Resistance
- User and Patient Safe
- High Disinfection Compliance

### The Aseptix Edge

Aseptix provides products for the whole spectrum of pathogens. Aseptix' patented technologies are designed to limit the spread of infectious disease, including major public health threats of Tuberculosis, MRSA, VRE, E.coli, Norovirus, Avian Influenza, HIV, Poliovirus, SARS, Clostridium Difficile and Legionella.

Aseptix applies true sustainability thinking at all phases of the product life-cycle, from product design to manufacture, use, work instructions and disposal. This means Aseptix is not only active in reducing impacts on the environment, but also in guarding the health and well-being of your cleaning staff, medical staff, patients and visitors.

### Relevant sectors:

Acute Care, Nursing Care, Long Term Care, Dental, Clinics, Non Critical Care Facilities, Surgery Centers, Pharmaceutical Manufacturing, Biotechnology, Animal Labs, Outbreaks.

## HEALTHCARE - product overview

### SURFACE PRODUCTS



#### ULTRASAN® BROAD SPECTRUM

In the most critical environments of a healthcare setting, Aseptix offers its broader spectrum and faster acting hard surface products. When sporicidal action is needed, UltraSan Broad Spectrum is the right choice. This product is also available in a canister with impregnated wipes (non fragranced).



#### ULTRASAN® ULTRARAPID

For all other requirements, UltraSan UltraRapid is the best alternative providing a wide spectrum of efficacy. With both products you can be assured of working with the absolute top in cleaning & disinfecting. This product is also available in a canister with impregnated wipes (fragranced).

### SPECIALTY PRODUCTS



#### ULTRASAN® SANITARY

For sanitary rooms in the healthcare environment, UltraSan Sanitary is the product of choice. As a member of the UltraSan family, it features unbeaten antimicrobial efficacy, and combines this with highly effective sanitary cleaning and descaling capacity, leaving a germ-free and streakless surface.



#### AEROX® MEDICAL

Whenever there is an outbreak of a contagious bacteria or virus in a medical facility, there is an absolute need for the highest security available. Using AeroX Medical, our top-of-the-line room fogging liquid, ensures hospital staff and patients of the best protection money can buy. The friendliness of the product enables low risk use and fast results whenever, wherever.

### FLOOR PRODUCTS



#### ULTRASAN® FLOOR

Floor disinfection in healthcare facilities deserves extra attention, specifically when patients are around. Aseptix introduces with UltraSan Floor a microfiber compatible floor cleaning and disinfection concentrate, that can be used with many microfiber programs and paper-based floor spray mops. UltraSan Floor features a residual effect, ensuring long lasting efficacy.



#### MANUGUARD®

ManuGuard® is a freshly fragranced alcohol based disinfecting and moisturizing hand rub, specifically designed for skin disinfection applications in which high efficacy, good skin compatibility and skin feel are required. To be used without water, just rub hands to dry. ManuGuard® does not contain Triclosan, QAC's, chlorhexidine or phenolic compounds. ManuGuard® features novel skin moisturizers, dramatically improving the skin feel. Does not dry out the skin. Available in a cartridge for a wall mounted dispenser and easy to carry small bottle.

### HAND PRODUCTS



#### GERMGUARD® HAND WASH PROFESSIONAL



#### GERMGUARD® HAND RUB PROFESSIONAL

Hand disinfection in healthcare environments is the first line of defense against the spreading of infections. Unfortunately, many hospitals face a problem when it comes to hand disinfection compliance. Most available hand disinfectants are so detrimental to the skin, that hospital personnel simply do not use it often enough to ensure maximum infection prevention.

The Aseptix GermGuard® Professional line offers maximum disinfection capacity combined with extreme mildness. Healthcare workers can use this product as much as needed, without damaging their skin. Available in hand wash (soap) as well as hand rub (to be used without water), all unscented. GermGuard® Hand Rub Professional is also available in a wall mounted dispenser system.



## We Counteract The Depletion of Natural Sources.

Most chemistry companies use mineral oil based products and synthetic chemicals as their ingredients. As a leader in green chemistry, Aseptix only uses renewable sources that are plant-derived, such as corn, sunflower, coconut, natural fruit acids, botanical abstracts, etc. No animal based feedstock is used in creating the world's most effective and safe disinfectants. ***With Aseptix' technologies, it can be done.***

## HOSPITALITY & FOOD SERVICE

The highest standards of cleanliness, hygiene and food safety are essential for running a truly professional kitchen. We share your passion for excellence and present a kitchen and customer program of cleaner-disinfectants and skin disinfectants that ensures your customers enjoy wholesome safe food, immaculately presented. Working with Aseptix' specialty solutions will improve customer safety, satisfaction and the image of your company.

### **Give risks no chance**

In food serving and preparation, your company and your customers demand one hundred percent assurance against risks from contamination. Aseptix' focused, comprehensive range of disinfectants specifically aimed at the needs of this business, gives that assurance. With well-documented proof, we provide compliance with food safety standards. Our disinfectant range ensures consistent hygiene performance and makes cleaning and disinfection truly simple.

### **Quick & Easy**

All unique Aseptix characteristics also apply to this line of products. But what makes them specifically fit for this business, is the following:

- Highly Efficient against Food-borne Pathogens
- Cleaning & Disinfection in One Step
- Enhanced Degreasing Capacity
- Fast & Effective (Saves Time), simple to use
- Ecologically Responsible Hygiene

### **Relevant sectors:**

Restaurants, Hotels, Cafeteria, Casino, Quick Service Restaurants, Convenience Stores, Retail Outlets, Cinema, Amusement Parks.

## HOSPITALITY & FOOD SERVICE - product overview

### SURFACE PRODUCTS

In hospitality settings, an immaculate presentation is just as important as the quality and safety of the food. For both purposes, Aseptix has developed a specialty product.



#### PURASAN® FOOD SERVICING

Serving personnel in bars, restaurants and cafe's now has the option to work with a specialty cleaner-disinfectant to create optimal hygiene for their guests. Comes in a small (300 ml) convenient and stylish bottle, with a spray trigger producing a fine mist that covers a small area. Microfiber compatible solution. Can be used with a belt holder. For use in servicing areas.



#### CIDALSAN® KITCHENGUARD FOOD PREPARATION

This high capacity cleaner disinfectant was developed specifically for regular cleaning & disinfection in food preparation environments. Ideal for counter tops, kitchen table tops, cutting boards and cutlery. This product is also available in a cannister with non fragranced impregnated wipes.

### SPECIALTY PRODUCTS



#### PURASAN® SANITARY

PuraSan Sanitary is intended for use in sanitary environments in hospitality settings – mainly toilets and hotel bathrooms. The product combines an excellent cleaning performance in lime-scale soiled conditions, and delivers a strong level of disinfection. This product is delicately fragranced, leaving not only an immaculate result, but also the smell of a truly clean environment.

### FLOOR PRODUCTS



#### PURASAN® FLOOR

For settings in which floor cleaning & disinfection is important, but not as critical as in medical settings, Aseptix offers a price efficient floor product in the PuraSan family. Offering basic but fast antimicrobial action, this concentrated product is suited for a wide variety of applications. Specifically intended for customer facing cleaning & disinfecting. Microfiber compatible. Low foaming for use in autoscrubbers and floor machines.

### HAND PRODUCTS



#### GERMGUARD® HAND RUB

#### GERMGUARD® HAND WASH



#### GERMGUARD® HAND WASH PROFESSIONAL

#### GERMGUARD® HAND RUB PROFESSIONAL

Effective skin disinfection, without the usual downsides associated with it: dry skin and harsh chemicals. The standard line is perfectly suited to offer your guests optimal protection, even when water is not available.

For food processing and preparation, Aseptix offers the GermGuard® Professional line: premium skin disinfection products without a fragrance, assuring food is not tainted. GermGuard® Hand Rub Professional, GermGuard® Hand Rub and GermGuard® Hand Wash are also available for a wall mounted dispenser system.

## Disinfection is All about Trust.

In a world where compliance is key, trust is good - but proof is better. That is why we build the confidence of our clients with scientific evidence supporting all our claims. This is how we develop products that really work in practice. That's the difference between promising and delivering.

***With Aseptix' technologies, it can be done.***



## INSTITUTIONAL INFECTION PREVENTION

Where other brands in the cleaning sector offer a full range of cleaning and disinfection products, Aseptix has chosen to focus on disinfection only, but with a cleaning action. This narrow focus has led to the development of several ranges of unique disinfection products, which safety and ease of use enable new uses and applications.

In a world that is getting smaller every day, infectious diseases spread quicker than ever before. Especially in institutional environments, where many people make use of the same public space every day, the potential of cross contamination is enormous. In the institutional market, the one-step approach of cleaning and disinfection saves time, money and can contribute to reduced absenteeism.

### Hygiene beyond cleanliness

Characteristics of Aseptix products of specific interest to the business of institutional cleaning & disinfection are:

- Cleaning & Disinfection in One Step
- Broad Spectrum of Efficacy
- Rapidly Norovirucidal
- User and Guest Safe
- Food Safe & No Active Residues
- Effective odor elimination
- Time Saving

### Relevant sectors:

Hotels, Motels, Cruiselines, Airlines, Casino's, Amusement Parks, Cinemas, Contract Cleaners, Commercial Buildings, Office Buildings, Shopping Centers, Retail Facilities, Schools, Universities, Government Buildings, Correctional Facilities, Military environments.

## INSTITUTIONAL INFECTION PREVENTION - product overview

### SURFACE PRODUCTS



#### PURASAN®

Combining convenience and efficacy, this PuraSan general purpose cleaner-disinfectant is a freshly fragranced versatile product that leaves a shiny surface. Perfectly suited for in between cleaning & disinfection, to be used even when guests, patients or employees are around. Preventing infections on the go.



#### CIDALSAN® KITCHENGUARD

This fragrance free cleaner-disinfectant with extra cleaning capacity was developed solely for use in food preparation and processing environments. The product features advanced grease dissolving surfactants, does not affect food and has a kill spectrum aimed at pathogens often found in food environments. Enables cleaning and disinfecting of surfaces and utensils in between preparing or processing food. Leaves an immaculate surface, also on stainless steel. This product is also available in a canister with non fragranced impregnated wipes.

### SPECIALTY PRODUCTS



#### PURASAN® SANITARY

Sanitary environments are even more prone to grow micro-organisms. Public bathrooms, shower facilities and toilets transfer infectious diseases easily. Paying extra attention to cleaning and disinfecting is even more important here. For this application, Aseptix offers a basic cleaner disinfectant, with a fresh scent and a very good action against limescale. No use precautions necessary!

### FLOOR PRODUCTS



#### PURASAN® FLOOR

For settings in which floor cleaning & disinfection is important, but not as critical as in medical settings, Aseptix offers a price efficient floor product in the PuraSan family. Offering basic but fast antimicrobial action, this concentrated product offers a wide variety of applications. Specifically intended for customer facing cleaning & disinfecting. Microfiber compatible. Low foaming for use in autoscrubbers and floor machines.



#### ULTRASAN® FLOOR

This sophisticated floor product is the more enhanced version of PuraSan Floor, boasting even a faster antimicrobial efficacy. This floor cleaning and disinfection concentrate can be used with many microfiber programs and paper-based floor spray mops. UltraSan Floor features a residual effect, ensuring long lasting efficacy.

### HAND PRODUCTS

A high level of hand hygiene is the best protection against spreading infections. This is especially the case in public spaces like schools or offices: reason enough to pay extra attention to hand hygiene in these environments.



#### GERMGUARD® HAND RUB

Offers this extra protection even when water is not available: just rub hands until dry! Freshly fragranced, with advanced moisturizers to condition the skin.



#### GERMGUARD® HAND WASH

GermGuard® Hand Wash ensures added security by providing an Antimicrobial action while washing hands. This prevents the spreading of pathogens. Delivering extreme hand hygiene and a well cared after feel, this product contains no harsh chemicals at all and conforms to the applicable European Norms. GermGuard® Hand Rub and Wash are also available for a wall mounted dispenser system.



## User Friendliness and Realistic Contact Times ensure true Compliance to Disinfection Norms.

Where traditional disinfectants require very long, practically unfeasible and even unrealistic contact times, Aseptix works fast and effective and in dirty conditions as well. Aseptix products are developed for practice and compliance, not for optimized laboratory test results. ***With Aseptix' technologies, it can be done.***

## FOOD PROCESSING & VETERINARY

Professional food processing and animal breeding environments require cleaning & disinfection solutions that not only offer the best protection possible, but offer a high degree of safety as well. Aseptix has developed a series of products that offer the highest compliance in this sector. These products combine efficacy and food safety with efficiency: Aseptix offers concentrated products to cover large areas economically. Of course, the products in this range are non-fragranced.

### Compliance at competitive cost

The characteristics that form the foundation of Aseptix' product lines, are of specific value in the food processing, transport, storage and animal breeding industries. The most important are:

- Realistic Contact times enhance compliance
- Non Hazardous
- No User Protection Required
- Food Safe, Fully Biodegradable
- No Active Residues
- No Perfume, no colorants

### Specifically intended for:

Industrial Kitchens, Food Processing Plants, Dairy, Meat & Poultry Processing, Brewing facilities, Fish, Fruits & Vegetables, Farms, Cattle Transportation

## FOOD PROCESSING & VETERINARY - product overview

### SURFACE PRODUCTS



#### ULTRASAN® ULTRARAPID

Providing optimal protection and ultra-fast action with no scent, UltraSan® UltraRapid is the perfect partner for the more critical environments. With a broad spectrum of efficacy, it offers fast disinfection and ensures high compliance. This product is also available in a canister with impregnated wipes (fragranced).

### SPECIALTY PRODUCTS



#### AEROX®

Wherever large areas such as storage areas, production halls, stables, lorries/trucks exert a need to be disinfected as a whole, with or without human action, AerOx® can deliver. This high tech hydrogen peroxide vaporization system is specifically developed for these purposes. Using it is simple: calculate the necessary amount of liquid for the space that needs to be disinfected, fog the area for the required time, ventilate the room and the room can be used again. No residues, so no rinsing required.

### FLOOR PRODUCTS



#### CIDALSAN® LARGE AREA

For the cleaning and disinfection of larger areas in food processing and veterinary facilities, this unscented product in the CidalSan® range is the choice of professionals. Combining an excellent cleaning capacity with a broad antimicrobial spectrum, this concentrate can cover large surfaces such as floors, walls, ceilings et cetra. Can be sprayed or foamed. Fast & easy rinse off. No active residues after rinsing.

### HAND PRODUCTS



#### GERMGUARD® HAND WASH PROFESSIONAL



#### GERMGUARD® HAND RUB PROFESSIONAL

Hand disinfection in food processing environments is the first line of defense against the spreading of infections. Unfortunately, most available hand disinfectants are so detrimental to the skin that personnel simply do not use it often enough to ensure maximum infection prevention.

The Aseptix GermGuard® Professional line offers maximum disinfection capacity combined with extreme mildness. Professionals can use this product as much as needed, without damaging their skin. Available in hand wash (soap) as well as hand rub (to be used without water) and all unscented. GermGuard® Hand Rub Professional is also available for a wall mounted dispenser system.



#### MANUGUARD®

ManuGuard® is a freshly fragranced alcohol based disinfecting and moisturizing hand rub, specifically designed for skin disinfection applications in which high efficacy, good skin compatibility and skin feel are required. To be used without water, just rub hands to dry. ManuGuard® does not contain Triclosan, QAC's, chlorhexidine or phenolic compounds. Features novel skin moisturizers, dramatically improving the skin feel. Available in a cartridge for a wall mounted dispenser and easy to carry small bottle.



## We Care About the Rise of Asthma and Allergies.

The scientific consensus is that the chemicals we are exposed to have substantially contributed to the rise in asthma, allergy and sensitivity. In the 1960's 3% of all children had allergic dermatitis, today over 10%. Today, 16% of the population is sensitive to certain chemicals and this percentage is increasing.

Aseptix develops products that do not contain any allergens, are preservative free and are tested for allergic reactions. ***With Aseptix' technologies, it can be done.***

## HEALTH & WELLNESS

Running a business in the Health & Wellness sector means paying attention to every detail. Every aspect of your center has to make a contribution to the integral experience of your guests. Hygiene is an important factor in this, but very difficult to keep at high level. Even more difficult, if not impossible: how to make sure your guests know that you have put in every effort needed to ensure their hygiene? After all, micro-organisms are not visible, but surely present! Aseptix has put together an assortment that is aimed specifically at the needs of the modern Health & Wellness clubs, and offers a tailored solution.

Hygiene is considered more and more a key factor in the overall perception of a hospitality setting. This goes especially for the Health and Wellness sector, where many different people share an intimate environment. A high level of hand and surface hygiene is the best protection against spreading infections. This is especially the case in public spaces, and even more so in Health & Wellness facilities.

### Faster. Simpler. Safer

The health & wellness line ensures fast disinfection and high material compatibility:

- Ultrafast Disinfection
- Non corrosive to Plastics and Equipment
- Streakless Result
- No Active Residues
- Convenient & Highly User Safe

### The Range

The range Aseptix offers for this sector comprises of specific cleaner disinfectants for fitness equipment and sun tanning beds, a floor product, a high performance sanitary product for showers, toilets and locker rooms and a set of hand disinfectants (hand wash and hand rub).

### Specifically intended for:

Fitness, Sports Facilities, Swimming Pools, Sauna, Spa's, Beauty Centers, Beauty Salons, Recovery Centers, Children Facilities, Indoor Playgrounds, Resorts.

## HEALTH & WELLNESS - product overview

### SURFACE PRODUCTS

Hygiene is considered more and more a key factor in the overall perception of a hospitality setting. Especially for the Health and Wellness sector, where mostly strangers share an intimate environment.



#### PURASAN® HEALTH & WELLNESS

To create extreme hygiene for guests when working out, Aseptix offers PuraSan® Health & Wellness for fitness centers, sun tanning studios and spas. This product is intended to be used by the guests themselves, and enables the creation of an environment as hygienic as at home. Can be used on almost all hard surfaces, including fitness machines, sun beds, sauna benches et cetera. The product features a Eucalyptus & Mint fragrance.



#### ULTRASAN® ULTRARAPID

For more demanding situations, UltraSan® UltraRapid is the perfect alternative, offering fast and wide spectrum disinfection. This product is also available in a canister with impregnated wipes (fragranced).

### SPECIALTY PRODUCTS



#### PURASAN® SANITARY

PuraSan® Sanitary is the perfect hygiene companion in toilets, bathrooms, shower rooms and locker rooms in the health & wellness environment.

As a cleaner, it boasts excellent cleaning capability, leaving a shiny surface, a fresh scent, and convenience and safety in use. As a disinfectant, it offers precisely the antimicrobial action you need in this sort of environment: fast and with a wide spectrum. Similar to all other Aseptix cleaner-disinfectants, PuraSan® Sanitary is microfiber compatible.

### FLOOR PRODUCTS



#### ULTRASAN® FLOOR

The floors in health & wellness environments need specific attention. They are often more prone to grow a broad variety of micro-organisms, given the presence of many guests working out or relaxing. Also, the humidity and temperature of these settings, offer perfect conditions for the fast growth of unwanted germs. UltraSan Floor is ideal for showers, exercise areas, swimming pools and locker rooms. Cleaning & disinfection in one easy step.

### HAND PRODUCTS

A high level of hand hygiene is the best protection against spreading infections. This is especially the case in public spaces, and even more so in Health & Wellness facilities.



#### GERMGUARD® HAND RUB

Offers this extra protection even when no tap water is available: this extremely mild hand disinfectant can be used without water: just rub hands until dry! Perfectly suited to place in exercise and locker rooms.



#### GERMGUARD® HAND WASH

Delivering extreme hand hygiene and a well cared after feel, this product contains no harsh chemicals at all and conforms to the applicable European Norms! GermGuard® Hand Rub and GermGuard® Hand Wash are also available for a wall mounted dispenser system.

## HIGH TECH DISINFECTION

The scientific team at Aseptix has worked for many years to develop several unique hygiene technologies, which have led to a true paradigm shift in the world of disinfection. Whereas in earlier days, higher efficacy implied the use of more dangerous chemicals, the patented solutions developed by Aseptix carry the unique characteristics of combined safety, efficacy and environmental friendliness.

### **Plasma Enhanced Peroxide™ (PEP-Technology)**

The first group of technologies that Aseptix developed is the Plasma Enhanced Peroxide® (PEP™) platform. In the proprietary glow discharge plasma process that Aseptix developed and patented, the natural disinfection capacity of hydrogen peroxide is boosted by a glow discharge plasma chemical process. This process results in a unique platform that offers premium results. The products that are developed upon this platform are in all cases ready to use.

### **Hi Speed H<sub>2</sub>O<sub>2</sub>™**

The second technology portfolio of Aseptix consists of so-called Hi-Speed H<sub>2</sub>O<sub>2</sub>™. After many years of research, Aseptix patented and continues to develop and patent synergistic formulations of hydrogen peroxide and other ingredients. The hydrogen peroxide is combined in a unique way with very specific harmless ingredients to boost the disinfection power and stabilize the hydrogen peroxide. This new, stable and accelerated hydrogen peroxide is fast in disinfection, and can be worked up to an immense spectrum of microbial kill, up to including bacterial spores such as *Clostridium difficile*. All in-use products are without warning labels and hazardous chemicals and all are based on biodegradable ingredients.

Products based on Hi-Speed H<sub>2</sub>O<sub>2</sub>™ technology meet and exceed a number of European Norms for disinfection. They are just as biodegradable and user friendly as the PEP-based products, but can also be supplied in concentrated form, thereby reducing packaging and in use cost.

## COMMITMENT & FOCUS

### **Research & Development**

The Aseptix laboratories are divided into four specialized departments: research & development, product development and application development, microbiology and quality control. The team consists of highly qualified scientists and laboratory professionals, dedicated to the different aspects of the laboratory work involved in creating highly innovative disinfection products. As new pathogens emerge, and new laws are implemented, Aseptix leads the development to new, sustainable solutions that combine convenience in use with high levels of efficacy. The Aseptix laboratory team is committed to put scientific progress to work for the benefit of your everyday life and well-being.

### **Quality Management Systems**

Quality in disinfection products is of the utmost importance: users should be confident that disinfection products deliver quick and effective kill rates on microorganisms. Aseptix is committed to the highest quality standards in the industry and imposes these upon themselves. Having a system in place to make sure every bottle delivers according European and internal norms is key. Therefore, Aseptix is not only ISO 9001 certified, but also ISO 13485, ensuring the highest quality possible and enabling the company to produce also disinfection products (medical devices) for the medical industry carrying a CE-mark.

### **Evidence based**

In the disinfection industry, making claims is one thing, but living up to these claims is often something different. Aseptix follows an evidence based approach. All our products are backed by an impressive amount of independent efficacy data. First, during the development phase, the efficacy of our products is tested extensively in our own in-company laboratories. Once they conform to our high company norms, the products are tested externally in independent, government accredited laboratories with undisputed quality and of the highest international reputation. Aseptix invests in a sustainable reputation, built on unquestionable, independent evidence and on an externally audited quality control system.

### **Product Development Guidelines**

Aseptix only uses nature based, biodegradable ingredients and preferably ingredients from renewable sources. If and when possible, Aseptix will choose for the more nature-friendly alternative for any raw material and packaging, even if this takes substantial development work and testing. Aseptix will not take the easy way forward, but always the more sustainable way. New ingredients and new suppliers are subjected to a rigorous analysis and testing procedure, which includes the way products are manufactured and always require approval from our CEO before being admitted in products.

### **Regulatory & Legal Compliance**

The biocide business is regulated heavily in virtually every country and sometimes per industry. Not surprisingly as users need to rely on claims and often hazardous chemicals are being used. Every product that makes a disinfection claim requires registration and full compliance to all applicable laws and regulations. Aseptix has its own team of regulatory professionals, and developed extensive knowledge of the requirements and regulations of these biocide laws, regardless if these are government or market imposed, enabling Aseptix to provide wide and deep support to its partners and distributors in many countries worldwide.





## ASEPTIX ENVIRONMENTAL POLICY

We work everyday to demonstrate that high hygiene standards and pathogen free environments should not necessarily mean a burden for the environment or for users and customers. We are steadily expanding our portfolio of environmentally responsible hygiene products that meet environmental attributes relating to chemistry, packaging, instructions for use, dispensing methods and other sustainability factors.

- All products are based on hydrogen peroxide, degrading back in water and oxygen
- No environmentally burdening quaternary ammonium compounds or amines in the products (no EDTA, NTA, phosphates)
- No phenolics, aldehydes, or chlorine based compounds
- We only use readily biodegradable formulations
- We only use recyclable plastics
- We use where possible the natural alternative for ingredients
- Refill systems with recyclable packaging
- No PVC in packaging
- Ready to use, non spill packaging (low use of concentrated products that produce excessive waste)
- Minimum of Volatile Organic Compounds (VOC's)
- No propellants or greenhouse gasses
- Minimize phosphorous, no phosphates, no phosphonates
- We only use non caustic, non alkaline products that do not produce an unnecessary burden to the environment
- We use naturally derived detergents (seeds, wheat, rice, sugar, coconut, flower)
- Usage instructions that minimize waste and optimize efficiency
- We promote use of microfiber based cleaning and disinfection
- We minimize energy and water consumption in production, and minimize transportation
- We optimize the balance between waste caused by using dilutable products and the more transport required for ready-to-use products



**EN 1040**

Basic bactericidal activity. *Staphylococcus aureus*, *Pseudomonas aeruginosa* - Phase 1. Quantitative suspension test in 1, 5, 15, 30, 45 or 60 minutes, at +20°C Microbial reduction > 10<sup>5</sup>.

**EN 1276**

Bactericidal activity. *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Enterococcus hirae* - Phase 2 / Step 1. Quantitative suspension test in 5 minutes, at +20°C, in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>5</sup>.

**EN 13727**

Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area. Test method and requirements (Phase 2/Step 1) Healthcare environment, quantitative suspension test in 5 minutes, at +20°C in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L sheep erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>5</sup>.

**EN 1275**

Basic fungicidal activity, *Candida albicans*, *Aspergillus niger* - Phase 1. Quantitative suspension test in 5, 15, 30 or 60 minutes, at +20°C - Microbial reduction > 10<sup>4</sup>.

**EN 1650**

Fungicidal activity, *Candida albicans*, *Aspergillus niger* - Phase 2 / Step 1. Quantitative suspension test in 15 minutes (or 1, 5, 30 and 60 minutes), at +20°C (or +10°C), in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>4</sup>.

**EN 13624**

Fungicidal activity, *Candida albicans*, *Aspergillus niger* - Phase 2 / Step 1. Healthcare environment, quantitative suspension test in 30

minutes (or 5, 15 and 30 minutes), at +20°C (or +4, +10 and +40°C), in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>4</sup>.

**EN 13697**

Quantitative Non-Porous Surface Test for the Evaluation of Bactericidal and/or Fungicidal Activity of Chemical Disinfectants Used in Food, Industrial, Domestic and Institutional Areas - Test Method and Requirements without Mechanical Action (Phase 2/ Step 2) Quantitative Non-Porous Surface Test in 5 minutes for evaluation of bactericidal activity and 15 minutes for evaluation of fungicidal activity, at +20°C in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L sheep erythrocytes + 30°F hard water; or other) - Bacterial reduction > 10<sup>4</sup>, Fungal reduction > 10<sup>3</sup>.

**EN 14348**

Mycobacterial / tuberculocidal activity, *Mycobacterium terrae*, *Mycobacterium avium* / TBC - Phase 2 / Step 1. Quantitative suspension test in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or +10°C), in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>4</sup>.

**EN 14561**

Quantitative carrier test for the evaluation of bactericidal activity for surfaces and instruments used in the medical area Test method and requirements (phase 2, step 2) Quantitative carrier test in 5 minutes for evaluation of bactericidal activity at +20°C in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L sheep erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>5</sup>.

**EN 14562**

Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity for surfaces and instruments used in the medical area - Test method and requirements (phase 2, step 2) Quantitative

carrier test in 15 minutes for evaluation of fungicidal or yeasticidal activity at +20°C in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L sheep erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>4</sup>.

**EN 14476**

Virucidal activity, Adeno, Polio, Rhino - Phase 2 / Step 1. Quantitative suspension test in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or +10°C), in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water; DC: 3 g/L albumin + 3ml/L erythrocytes + 30°F hard water; or other) - Microbial reduction > 10<sup>4</sup>.

**EN 13704**

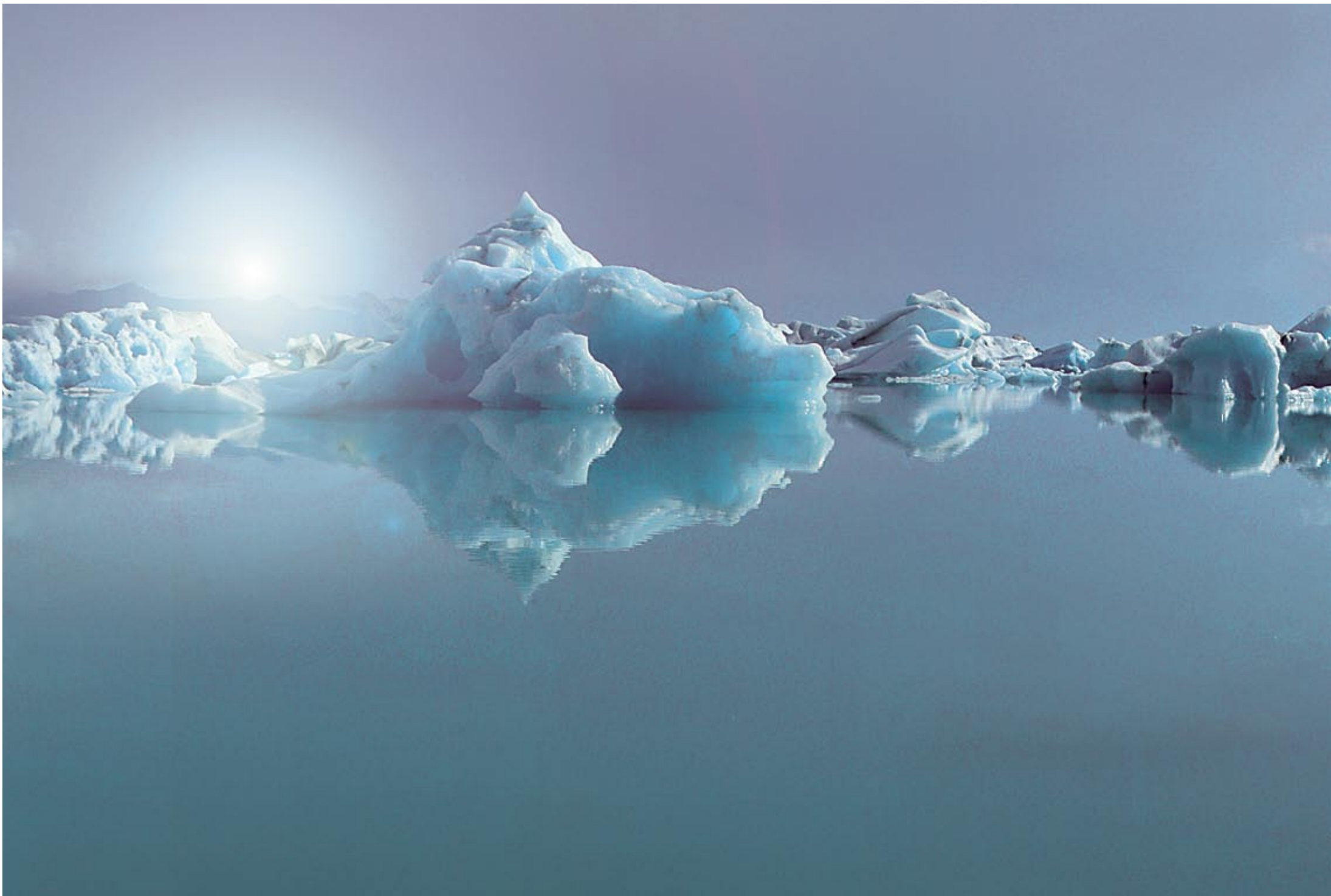
Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2/step 1) Quantitative suspension test in 60 minutes, at +20°C, in the presence of interfering substances (CC: 0.3g/L albumin +30°F hard water) - Microbial reduction > 10<sup>3</sup>.

**EN 1499**

Hygienic handwash. Test method and requirements (phase 2/step 2). A controlled in vivo test with subjects in which the product is evaluated against a standard soap and should perform statistically significantly better than the reference product for the test organism *Escherichia coli* K 12 (hands are contaminated with *E. coli* and log reductions after washing are statistically compared to the standard reference soap by calculating the statistic significance of the difference in the log reduction provided by the test product compared to the log reduction of the standard reference soap).

**EN 1500**

Hygienic Handrub - Phase 2/Step 2. A controlled in vivo test with subjects in which the product is evaluated against 3 ml of 60% 2-propanol. The test product should perform statistically significantly better than the reference product for the test organism *Escherichia coli* K12 (hands are contaminated with *E. coli* and log reductions after applying the product and rinsing are statistically compared).





## We Do Not Turn Our Backs on Chemical Infections.

The microbe poses a rapidly increasing threat to human health. However, while science made enormous strides over the last century in our war against germs, now we face a new problem. The chemicals that have been used to fight microbes are causing occupational and environmental problems and threats to our health and safety. Aseptix' unmatched efficacy against a wide range of pathogens is effectively combined with high environmental integrity and safety in application. ***With Aseptix' technologies, it can be done.***



**KEMA CERTIFICATE**



**KEMA CERTIFICATE**



**CE 0344**

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Educating our children about nature



**YOUR ASEPTIX CONTACT**

Please contact your dealer for more information, training and tailored advice.  
Our products are available in many packaging formats, not all of which are depicted here.  
Please refer to our price list for the available packaging formats.