



PYLON

HEALTHCARE



“B-Safe” products are a group of disinfectants and detergents manufactured by PylonHealthcare, A company specialized in producing and supplying disinfectants for IVF laboratories and hospitals, in addition to a group of specialized products in the field of ICSI and IVF, so we guarantee our customers a high-quality product Where safety and effectiveness are accomplished. The “B-Safe” products range were manufactured and developed in accordance with the latest instructions of the World Health Organization (WHO) to eliminate germs and viruses, in addition to many other properties.

HS CODE:
38/08/94/90/90



• **About the Product:**

“B-Safe Surfaces and Floors” is a high-quality, safe and effective disinfectant and cleaner for surfaces and floors. The “B-Safe” product was manufactured and developed in accordance with the latest instructions of the World Health Organization (WHO) to eliminate germs and viruses, including the Corona virus “COVID-19”, in addition to many other properties.

This product was manufactured in accordance with the strictest infection control standards and protocols in hospitals and laboratories to ensure work in the highest levels of safety and security without exposing sensitive surfaces and devices to damage.

Pylon Healthcare has developed two types of this product to suit the nature of use of different medical facilities and the protocols followed; we have provided a product that is ready for immediate use and comes in different sizes such as **500 ml, 1 liter and 5 liters**.

Components:

0.5% diethyl octylammonium chloride - 1.2% benzalkonium chloride “three times the recommended amount of WHO” - non-ionic fat solvents - inactive compounds - water.

• **Product features:**

- Harmless, safe, and does not cause chest or respiratory allergies.
- Suitable for all patients with sinus asthma and children and infants.
- Suitable for all types of surfaces and floors: (metal, plastic, wood and leather).
- Guaranteed effectiveness against many bacteria, fungi and viruses.
- Extended long-term effect.
- Inflammable.
- Suitable for sterilizing inside cars.
- Suitable for sterilizing fruits and vegetables before washing them with water.
- Harmless on all fabrics, clothing and textiles.

According to the World Health Organization, the quaternary ammonium compounds used in the B-Safe product, along with alcohol and chlorine, are among the most effective substances in eliminating all viruses, bacteria, and fungi. It is effective against:

- Bacteria: Staphylococcus aureus. Pseudomonas aeruginosa. Escherichia coli. - Enterococcus hirae. Mycobacterium phlei. – salmonella typhimrium. MRSA- bacteria (Methicillin resistant staphylococcus aureus).	- Viruses: Hepatitis B. - HIV(AIDS-Virus). Rotavirus. – Norovirus(calicivirus). Influenza A -virus (H5N1-Bird flu). Influenza A -virus (H1N1-swin flu). SARS, SARS-COV2 (COVID-19) & MERS COV. Picornavirus(poliovirus-group). Adenovirus (DNA- virus group).	- Fungi Aspergillus niger. Candida albicans. Trichophyton mentagrophytes
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WHO link:

<https://apps.who.int/iris/bitstream/handle/10665/331138/WHO-WPE-GIH-2020.1-eng.pdf>

• **How to use and store:**

Sprayed on the surface to be disinfected. "It is preferable to leave it on the surface for 2 to 5 minutes to reach the highest disinfection effectiveness."

Storage is carried out at a temperature between 15 to 30 degrees Celsius.

• **Comparison between B-safe, products that contain alcohol, and products that contain chlorine:**

Product	B-Safe	Alcohol-based disinfectants	Chlorine-based disinfectants
Duration of surface disinfection	24 hours	30 Seconds	24 hours
Gradual loss of concentration	Slow	Quick	moderate
Color	Without Color	Without Color	Light Yellow
Odor	Without Odor	Annoying Odor	Annoying Odor
Volatile organic compounds	Non	Occur	Occur
Flammability	Unflammable	Highly flammable	Low
Respiratory irritation	Very slight	Severe	Highly Toxic
Volatile content	Non	Highly" Occur"	Moderately Occur
Capability of using to clean clothes and furniture fabrics	Yes	No	No
Using at temperature higher than 37 degree Celsius	Not affected	Concentration decreases quickly	Produces toxic gas

❖ **Available in the following sizes:**



Concentrate



Ready to use 470 ml



Ready to use 5 Liters

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• **About the Product:**



Hand wash and disinfectant that keeps hands soft and protects them from cracking.

Package: 1 litre

Store at a temperature below 37 degree Celsius.

Suitable for all uses: laboratories, hospitals, offices, shops, and home use.

Usage: Apply an appropriate amount on hands, and then rub it well all over the hands. And leave it to dry or dry it using a sterile tissue.

Advantages of Hand wash disinfectant:

- Non-toxic.
- Odorless (does not irritate the mucous membranes).
- Free of colored dyes and free of alcohol (does not release harmful organic compounds).
- Easy to use and evaporates quickly on the hands.
- Softens the skin and keeps it from drying and cracking.
- Guaranteed and strong effectiveness, unlike alcohol.

Shelf life: Two years from the date of production

Active ingredients:

Quaternary Ammonium Compounds c-12-c14-c16 (Ratio of Alkylbenzyl dimethyl Ammonium Chloride C12 : 40% C14 : 50% C16 : 10%) Inert Components Non Ionic Surfactants: less than 5%

How the product works:

It denatures the protein membrane and the phospholipid membrane, completely eliminating bacteria, fungi, and viruses within one minute

According to the World Health Organization, the quaternary ammonium compounds used in the B-Safe product, along with alcohol and chlorine, are among the most effective substances in eliminating all viruses, bacteria, and fungi. It is effective against:

- Bacteria: Staphylococcus aureus. Pseudomonas aeruginosa. Escherichia coli. - Enterococcus hirae. Mycobacterium phlei. – salmonella typhimrium. MRSA- bacteria (Methicillin resistant staphylococcus aureus).	- Viruses: Hepatitis B. - HIV(AIDS-Virus). Rotavirus. – Norovirus(calicivirus). Influenza A -virus (H5N1-Bird flu). Influenza A -virus (H1N1-swin flu). SARS, SARS-COV2 (COVID-19) & MERS COV. Picornavirus(poliovirus-group). Adenovirus (DNA- virus group).	- Fungi Aspergillus niger. Candida albicans. Trichophyton mentagrophytes
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Incubators Disinfectant

- **About the Product:**



B Safe incubator disinfectant is a product specially made to sterilize embryo incubators in ICSI laboratories with high-quality international specifications. B Safe incubators disinfectant was tested on Mouse Embryo Assay and also on Human Sperm Survival Assays. It is completely safe for embryos and completely free of toxic substances. It can also be used to disinfect and sterilize laminar flow chambers in laboratories, medical devices and equipment, sonar probes, hospital furniture, Hi-MACS surfaces, glass, plastic, acrylic and metal.

Product quality:

Ready for immediate use

- Anti-rust
- Tightly sealed
- Valid for two years from opening the package
- Completely free of volatile chemicals
- Fast-acting sterilizing properties
- Non-volatile, ensuring long-term sterilization
- It removes 100% of dirt and dust particles

Health and safety:

- Each batch of mouse embryo production is tested on Mouse Embryo Assay and also on Human Sperm Survival Assays.
- It is transparent without any colours
- Odorless
- Alcohol free
- Does not emit volatile organic compounds

Active Ingredients:

Benzyl-alkyldimethyl chloride (Quaternary Ammonium Compound)

Usage:

Apply evenly on the surface. Leave 15 minutes to dry out then clean with sterile water.

Storage and Stability:

Store at 15 – 30 degree Celsius.

Shelf life: 2 years from production date

• Effectiveness:

Microorganism	1-Bactericidal:		Maximum sterilization duration
		15 min	
	<ul style="list-style-type: none"> • Staphylococcus aureus. • Pseudomonas aeruginosa . • Escherichia coli. • Enterococcus hirae. • Mycobacterium phlei (TbB). • Salmonella typhimurium. • MRSA - Bacteria (Methicillin resistant Staphylococcus aureus). 	<ul style="list-style-type: none"> 15 min 15 min 15 min 15 min 15 min 15min 15 min 	
2 - Fungicidal:		15 min	
<ul style="list-style-type: none"> • Aspergillus niger. • Candida albicans. • Trichophyton mentagrophytes. 	<ul style="list-style-type: none"> 15 min 15 min 15 min 		
3 - Virucidal:		5 – 15	
Hepatitis A, B & C	15 min		
HIV (AIDS-Virus).	15 min		
Rotavirus. Norovirus(calicivirus).	15 min		
Influenza A -virus (H5N1-Bird flu). Influenza A -virus (H1N1-swin flu).	15 min		
SARS, SARS-COV2 (COVID-19) & MERS COV.	5 min		
Adenovirus (DNA- virus group).	5 min		
Polio virus group.	5 min		
Herpes virus group.	15 min		



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