

ARMSX™

Multipurpose Disinfectant Concentrate

Broad Spectrum Multipurpose Disinfectant Cleaner & Deodorant

ARMSX™ is a robust broad spectrum multipurpose disinfectant and cleaner that provides excellent results in a one-step application. It is free of aldehydes and formulated with neutral pH. The composition makes it suitable for various substrates.

ARMSX™ is ideally recommended for usage in nursing homes, wellness centers, hospitals critical and non-critical areas. It can also be used in kitchens, dining, food preparation areas, educational institutions and all damp places such as restrooms and swimming pools.



Kills 99.99% of bacteria at 2 mL/L of concentration in 3 minutes

Bacteria: *Pseudomonas Aeruginosa, Staphylococcus Aureus, Salmonella Typhi*, **Fungi/ Yeast/Mildew:** *Aspergillus Niger, Candida Albicans*, **Virus:** *Vaccinia, Influenza H1N1, Adenovirus Type 2*

FEATURES & BENEFITS

- Water based formulation
- Non-perfumed deodorant
- Non-corrosive
- Non-irritant as it formulated with neutral pH
- Suitable for all types surfaces/material/tools/equipment's
- Free of aldehydes, bleach and alcohol

DIRECTION OF USE*Recommended Dilution:*

- *Surface disinfectant:* for critical areas and operation theatres use 0.2% (2 mL in 1 L of water). Wash floor, tiles, other surfaces and inaccessible areas. For soiled areas use 0.5% (5 mL in 1L of water)
- For Fogging: prepare 1% v/v solution (use 8 mL of ARMSX concentrate in 1 L of water) and use this solution in a fogging machine. Allow it to dry for 30 minutes
- For High level Disinfectant: soak the instrument in the prepared 8% v/v solution (use 80 mL of ARMSX concentrate in 1 L of water) for an hour. For semi critical instruments 30 minutes of contact time is needed
- For Sterilization: Use 8% solution (80 mL in 1 L of water) and provide 8 hours of contact time for sterilization of instruments. Avoid bubble formation and use a plastic recipient and this should be closed during all the time the instrument was soaked in

Procedure:

- Use respective dilution as recommended for different application
- Clean the surface prior to remove the dirt from the surface
- Spray appropriate amount of ARMSX formulation on the surface
- Provide a minimum contact time of 3 minutes for best results
- Clean/wipe/mop as needed with respective cleaning tissue or cloth
- For sanitizing equipment's, tools and PPE immersed it to ARMSX dilution. Keep it there for at least 30 minutes, take it out and leave it for drying.

SURFACE COMPATIBILITY OF ARMSX*Surface materials:*

- Brass/chrome/copper/acrylic
 - Clear plastic
 - Formica® /glazed tile
 - Glass/metal/Plexiglas® plastics
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- Laminated surfaces
- Leather
- Maintenance-free floors
- Nonporous vinyl
- Painted Surfaces
- Stainless steel

Medical surfaces:

- Beds/bedrails and controls
- Blood pressure devices
- Computer screens, stands and stands for equipment and instruments
- Examination tables
- Infant beds and equipment, make sure to rinse plastics
- Keyboards
- Kidney machines and wires
- Laboratory equipment
- Operating room tables and mattresses
- Operating room surfaces
- Patient room surfaces
- Radiology equipment surfaces both CR (computed radiography and DR (digital radiography)_
- Showers (floors/walls) and surrounding areas
- Sinks and backsplashes, faucets, etc.
- Stretchers
- Surgical equipment surfaces
- Telephones
- Wheelchairs
- Bio safety cabinets
- Damp areas

NOT RECOMMENDED FOR MONITOR SCREEN AND LENSES.

TEST METHOD

The test methods comply with European norms for chemical disinfectant & antiseptics. ARMSX is approved by NABL verified labs and passed the tests **EN 1276: 2019** for antibacterial and **EN 1650: 2019** for antifungal using diluent of 375 ppm hard water. The disinfectant prepared at 2mL/L of concentration for 3 minutes of contact time kills 99.99% of pathogens on hard non-porous inanimate surfaces.

Experimental Conditions:

Concentration: 2ml / litre

Diluent: Hard water having hardness lower than 375 ppm

Contact Time: 3 minutes

Neutralizer: DE broth

Media used: Soyabean Casein Digest agar/ 0.3 g/L Bovine serum albumin – Clean conditions

Efficacy:

Test Results									
Test organisms	Contact time	Contact Temp °C	Product Conc. %	Vc1	Vc2	Na = $\bar{x} \times 10$	Ig Na	Ig R IgN ₀ -IgNa	% R
<i>Staphylococcus aureus</i> ATCC 6538	3 minutes	20 ±1 °C	2ml / litre	<14	<14	<140	<2.15	>5.07	>99.999
<i>Pseudomonas aeruginosa</i> ATCC 15442	3 minutes	20 ±1 °C		<14	<14	<140	<2.15	>5.04	>99.999

Test Results									
Test organisms	Contact time	Contact Temp °C	Product Conc. %	Vc1	Vc2	Na = $\bar{x} \times 10$	Ig Na	Ig R	%R
<i>Candida albicans</i> ATCC 10231	3 minutes	20 ±1 °C	2ml / litre	<14	<14	<140	<2.15	>4.02	>99.99
<i>Aspergillus brasiliensis</i> ATCC 16404		20 ±1 °C		<14	<14	<140	<2.15	>4.00	>99.99

Where:

N=No. of CFU/ml of Test organism in Test suspension

N₀= No. of CFU/ml in Test mixture at the beginning of contact time

Na=No. of CFU/ml of Test organism after contact duration

R=Reduction in Viability

TECHNICAL DATA

Description	Features
Appearance	light blue color clear solution
Specific gravity @ 25 °C	~1.0 g/mL
Viscosity @ 25 °C	9.5 to 12.5 cp
pH	7.0-9.0
Color	Sky blue
Odor	Characteristic

SAFE HANDLING & STORAGE INFORMATION

- Avoid direct contact with skin & eyes
- Do not freeze the material
- Wash hands after application usage
- Handle with care
- Do not mix with any other products

Store in cool & dry place, away from direct sunlight. Avoid sources of radiation, static electricity and contact with food.



Corrosive

Environmental
Hazard

For more information

Please contact your local EMPERIA 1900 representative

Empire Industries Ltd.

Emperia 1900 / Grabbit+
Empire Complex, 414 Senapati Bapat Marg,
Lower Parel (W), Mumbai - 400013.

www.emperia1900.com

Toll Free Helpline

1800 209 2526

ARMSX™