



Introducing
Next Generation
Nano Particle Based Smart
Long Lasting
'IONIC LIQUID'



A-Z PROTECT



Technology Developed by IIT

Z PROTECT

Technology based on non- volatile ionic liquids, therefore safe in hospitals, transport and household

Augmented with antimicrobial and virucidal properties of copper nanoclusters.

Soft for human body, bombard bacteria and viruses.

High thermal stability and fire resistant.

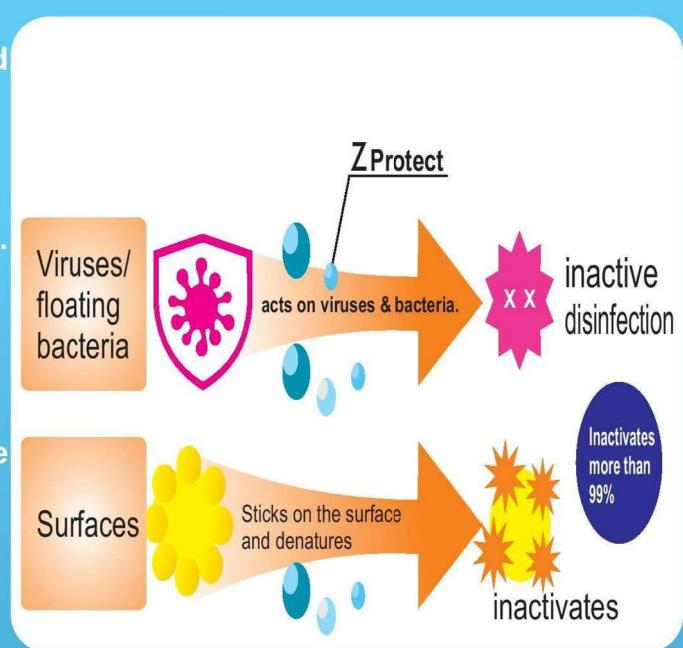
Suitable for broad range of infrastructure.

Design and developed by IIT in India and will reduce import load of Country.

Low vapour pressure, therefore will not cause any breathing problem.

High tunability for hydrophilicity and hydrophobicity, thus broad range application in a single run.

Pleasant fragrance



Easily Disposable in Drain



SPEED

SAFETY

RELIABILITY

EFFICACY

ECONOMY

NON-TOXIC





Z PROTECT: Economy

Alcohol based products evaporate in less than 10 min, leaving surfaces unprotected. This product is non-volatile and provides protection upto 7 days. One has to use alcohol based products several times in a day that leads to high High Cost. The one time spray of Z Protect is quite economical.

Z Protect: Health

Hypochlorite or acid based formulations causes breathing problem and irritation. Z PROTECT is non-volatile, therefore no such issue is reported with our product.

Hypochlorite generally sprayed during off hours due to unbearable smell. No such problem with our product.

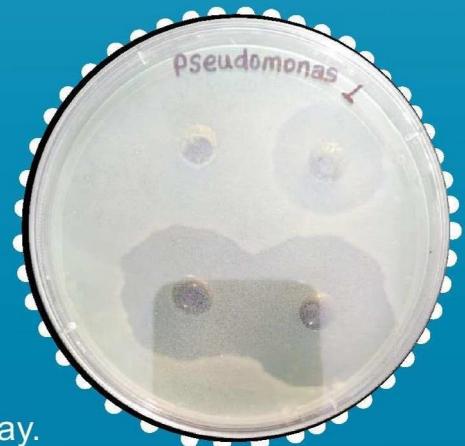
Silver based formulations may leave black spots but no problem of spotting with Z protect.

Z PROTECT: EFFICACY

Protect & Abundent broad range of gram positive & gram negative bacteria, spores, fungi, viruses and mycobacteria etc.

Product resulted from decades of research at National institutes.

Tested and approved by NABL Labs.



Z PROTECT: RELIABILITY

Stable for 100 days on lab sample, kept undisturbed.

Protection against various pathogens till 7 days after a single spray.

Applicable for walls, kitchen, bathroom, OT, instruments and furniture etc.

Z Protect Applications

Z Protect solution is a broad spectrum, high level Ionic Liquid. It has universal application.

Surface disinfection - Furniture's/ Fixtures/Equipments/Walls / Floor

Instruments & Devices - Plastic Instruments/ Reusable plastic devices/ Catheters/ Ventilator Circuits / Laryngoscope blades

Fogging - OT Area / MICU / NICU / CCU / Laboratories / Wards/ Waiting Areas / Labor Rooms Etc.

Textile - Masks / All types of Fabric / Laundry and Linen mopping should be treated by soaking them for at least 10 minutes in Z PROTECT solution, followed by wringing the fabric material and drying at room temperature. Use Z PROTECT solution post detergent wash.

How to use

Ready to use for the mopping purpose and dilute (1:25) in water for fogging

Ingredients

Ionic liquids, Benzalkonium chloride, Hydroxyl benzaldehyde, Copper nanocluster, Surfactant, Amines, EDTA, Boric Acid, Diethylamide, Approved fragrances.

How it protects you

The protection solution of Z Protect is specially engineered with formulation of **Copper nanoclusters**, Amines and surfactant etc. It provides long-lasting antimicrobial protection by producing Reactive Oxygen species (ROS) on the surfaces.

For external use only

Cautions: Store at room temperature. Keep away from Children under age 7 Y. Discontinue the use if allergic to any ingredient.

