

Otguard™

5th Generation Quaternary ammonium Compound with PHMB

Composition

| | |
|---|------------|
| Alkyl Dimethyl Benzyl Ammonium chloride | 2.37% -w/v |
| Alkyl Dimethyl Ethyl Benzyl Ammonium chloride | 2.37% -w/v |
| PHMB(Poly hexa methylene biguanide) | 2.00% -w/v |
| Inert ingredients | 93.26% w/v |

Otguard

OTGUARD is a highly effective product with bactericidal, virucidal and fungicidal properties. It is an ideal disinfection for pharmaceutical industry (injectable, syrup, and tablet formulation), Animal contact farming/ food and hospitality industry. OTGUARD is ideal for critical and non-critical areas in Hospital like, OT, ICU, Nurseries, Microbiology labs, transplant units, Burn units, Oncology unit etc. Product can be used for fogging, mopping, dusting, wiping & spraying applications.

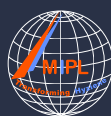


Mode of Action

Disinfectants act on microorganisms in two different ways: growth inhibition (bacteriostasis, fungistasis) or lethal action (bactericidal, fungicidal or virucidal effects). Only the lethal effects are of interest in disinfection and, as the objects of treatment have no inherent means of defence, lethality is the desired objective. The discussion below focuses on the action of a certain number of active molecules. OTGUARD is a complex formulations of active molecules, containing co-solvents, chelating agents, alkaline agents, and surface-active products.

Action on the external membrane of the bacterial wall

A bacterium is protected from its environment by a membrane, the integrity of which is essential to survival of the bacterium. This membrane consists of basic compounds such as phospholipids and lipopolysaccharides, and is stabilised by Mg ++ and Ca ++ cations. Thus, ionised disinfecting molecules are absorbed by electrical charges at the initial contact and absorption stage, which leads other molecules through the membrane. Other molecules will be able to disturb the organisation of the membrane. Action on the cytoplasmic membrane An active molecule, such as a nutrient, penetrates the cytoplasmic membrane by passive diffusion (non-specific and slow) which leads to the release of IONS and other Cytoplasmic Constituents thus leading to the death or inactivation of microorganisms.



MediZysis India Pvt. Ltd.
transforming hygiene ...

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MediZysis India Pvt. Ltd.

one stop solution

Features

Bactericidal, Fungicidal Virucidal, mildew stat, cleaner and deodoriser. User Friendly, Non- Corrosive, Non- Hazardous, Non-irritant. Eco friendly, Bio-degradable. Highly effective against microbes but cost effective.

Manufactured under ISO,WHO,GMP facility.



Dilution for Uses

1.5% for critical area

0.75%for non-critical area.

Direction of Use

Surface Moping: 15 ml OTGUARD is to be diluted in 1000 ml(985 ml) of water .Mop the area with the help of mopping cloth. Freshly prepared solution is recommended

Environment: 15 ml OTGUARD is to be diluted in 1000 ml of water .This solution is sufficient for fogging of 1000cft area. Diluted solution is stable up to 64 days but freshly prepared solution is always recommended.

Precautions

For External Use only.

Avoid direct contact with eyes & skin.

Rinse with fresh water in case of contact.

Seek medical help in case of emergency.

Keep out of reach of children.

Stability

Undiluted Shelf life - 2 years

Diluted solution - Diluted solution is stable up to 64 days

Colour - Colourless

Odour - Odour less

PH - 9.5-11

Contact time - 0-10 minutes

Material Compatibility

OTGUARD is compatible with most of the metals, Plastics elastomers and adhesives.



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Name of Product - OTGUARD
Pack Size - 1000 ML