

D-256[®]

ONE-STEP, OPTIMUM VALUE DISINFECTANT

Composition :

Active Ingredients :

Didecyl dimethyl ammonium chloride	8.7%
n-Alkyl dimethyl benzyl ammonium chloride	8.19%
inert Ingredients	83.11%
Total	100.00%

'Antibiotic Resistant' Hospital Infections are serious concern in India

Report New Delhi, Oct 4 (PTI : Deccan Herald) Last updated: 04 October, 2011

Global Antibiotic Resistance Partnership (GARP) research revealed that 30 % of 1.9 lakhs neo-natal deaths are due to sepsis in India.

The research discussed on rationalising antibiotic use to limit antibiotic resistance in India and recommended enforcing hospital infection control measures to check extensive use of antibiotics.

Nosocomial Pathogens can persists on surfaces for months

Source: BMC Infectious Diseases 2006; 6:130: How long do nosocomial pathogens persist on inanimate surfaces.

They can be a continuous source of transmission if no regular preventive surface disinfection is performed.

Class	Pathogens	Alive
Bacteria	Pseudomonas	Upto 16 months
	E.coli	Upto 16 months
	S.aureus	Upto 7 months
	Clostridium Difficile	Upto 5 months
	Mycobacteria tuberculosis	Upto 4 months
Fungi	Enterococcus spp. incl VRE.	Upto 4 months
	Candida Albicans	Upto 4 months
Viruses	Poliovirus	Upto 3 months
	Vaccinia virus	Upto 5 months
	Adeno virus	Upto 3 months
	HIV/ HBV	Upto 3 months
	Rotavirus	Upto 3 months



- ✓ Bactericide
- ✓ Virucide
- ✓ Fungicide
- ✓ Tuberculocide
- ✓ Sporicide
- ✓ Deodorizer

Salient Features :

- ▶ Twice Economical
- ▶ Disinfects 5 types of Pathogens
- ▶ Safe from 6 Health Hazards
- ▶ US EPA Approved Composition
- ▶ Cost Effective
- ▶ No Rinse Formula
- ▶ Odour Control
- ▶ Biodegradable
- ▶ Non - Irritant
- ▶ Non - Hazardous
- ▶ Non - Corrosive

Microgen

Redefining Hygiene...

2

Twice Economical

More than two times economical than major available brands.

Product	Dilution for Critical area	Diluted sol. in litre made by 500ml pack	M.R.P. 500ml Pack	Cost per litre diluted solution	Economy
Per 100g contains 1.6 Dihydroxy, 2-5 Dioxahexane (11.2g) (Chemically bound Formaldehyde) Glutaraldehyde (5g) Benzalkonium Chloride (5g) Alkyl Urea Derivative (3g)	10 ml	50 litre	Rs. 654	Rs. 13	2.7 times costly
Each 100g contais Glutaraldehyde 5.0g, Dimethanol 14.1g	10 ml	50 litre	Rs. 610	Rs. 12.20	2.54 times costly
D-256 5th generation Quaternary disinfectant	4 ml	125 litre	Rs. 599	Rs. 4.80	2.7 times Economical

*Cost calculation based on M.R.P. of products and recommended dilution in brochures/packs

5

Disinfects 5 types of Pathogens

✓ Bactericide ✓ Virucide ✓ Fungicide ✓ Tuberculocide ✓ Sporicide

DISINFECTS & ALLOWS OT, ICU, ICCU, CRITICAL WARDS & OTHER AREAS USAGE IN 10 MIN

Staphylococcus aureus

Streptococcus pneumoniae

Neisseria meningitidis

Legionella pneumophila

Listeria monocytogenes

Respiratory syncytial virus (RSV)

Acinetobacter baumannii

Herpes Viruses simplex 1 & 2,

Lymphocytic choriomeningitis virus

Mycobacterium tuberculosis

Pseudomonas aeruginosa

Hemorrhagic fever viruses

Clostridium botulinum

Helicobacter pylori

Salmonella typhi, S. Paratyphi

MRSA, MRSE, VRE

Aspergillus spores

Borrelia burgdorferi

Clostridium difficile

Klebsiella pneumonia

Influenza virus type A, B

Smallpox virus surrogates

Mycobacterium chelonae

Mycobacterium fortuitum

Hepatitis Viruses B, C

Parainfluenza virus

Bordetella pertussis

Campylobacter jejuni

Cytomegalovirus,

Corynebacterium amycolatum

Adenoviruses

Dengue Virus

Avian influenza

Measles

Shigella

E. coli

Candida

Vibrio cholerae

Rhinoviruses

SARS-CoV

Enteroviruses

Poliovirus

Rotavirus

Avian influenza

B. Subtilis spores



Safe from 6 Health Hazards

Reference: OSHA Formaldehyde Fact Sheet DSG 4/2011; CDC : Glutaraldehyde -Occupational Hazard in hospitals

Product	Eyes irritation	Nose irritation	Throat irritation	Cough Wheeze	Asthma	Cancer
Per 100g contains 1.6 Dihydroxy, 2.5 Dioxahexane (11.2g) (Chemically bound Formaldehyde) Glutaraldehyde (5g) Benzalkonium Chloride (5g) Alkyl Urea Derivative (3g)	Yes	Yes	Yes	Yes	Yes	Yes
Each 100g contains Glutaraldehyde 5.0g, Dimethanol 14.1g	Yes	Yes	Yes	Yes	Yes	Yes
D-256 5th generation Quaternary disinfectant	No	No	No	No	No	No

Aldehydes linked to Asthama and Cancer deaths

THE NEW YORK TIMES

Formaldehyde linked to 14000 cancer deaths
among workers, working in the plants that produced formaldehyde and formaldehyde resins.

May 13, 2009, Page A20

SHA FactSheet

Formaldehyde is a cancer hazard.
Subsequent exposure causes severe allergic reactions of the skin, eyes and respiratory tract

Formaldehyde : DSG 4/2011

Gastroenterology Nursing

Uncontrolled Glutaraldehyde exposure is contributing to occupational asthma

2006 Mar-Apr 29(2): 100-4

Environmental Health and Preventive Medicine

Banning glutaraldehyde surface disinfection and fogging helpful in reducing occupational exposure and hazard reduction in the health care environment.

2006 Jan;11(1):3-10



Dilution Chart :

D-256 (Conc. Qty)	Area of Usage
2 ml in 1 litre water	General Wards, Reception, OPD, Corridors, etc.
4 ml in 1 litre water	OT, ICU, NICU, SICU Burn Unit, Labour Room, etc.
100 ml in 50 litre water	Laundromat purposes

Product Specification :

Colour	: Blue
Fragrance	: Fresh Pine
Shelf life	: 36 months (concentrate) 12 months (diluted)
pH	: 10.2 (concentrate)
Pack Size	: 100 ml. 500 ml. 1 litre. 5 litres

Why D-256 ?

D-256 is a highly recognized broad spectrum, one step, neutral pH, and hard surface disinfectant.

It has been developed for use in healthcare facilities such as hospitals, nursing homes, laboratories, diagnostic labs, dental clinics and pharmaceutical units. When used as directed, this product will deliver effective biocidal action against bacteria, fungi, mycobacteria, viruses, and spores on hard surfaces.

D-256 is formulated for surface disinfection of walls, floors, hospital beds, tables, chairs, trolleys, stretcher, hospital furniture, patient care items, O. T. and critical care foot wear etc.

D-256 will effectively kill and control the growth of mold and mildew plus the odor caused by them, when applied to hard and non porous surfaces.

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- 2** Twice Economical
- 5** Disinfects 5 types of Pathogens
- 6** Safe from 6 Health Hazards



A product of :

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