



The POWER
to kill more
yet,
with **SAFETY**

Introducing
The latest generation QUATs



FaceinTM Power 256

A multipurpose disinfectant

KILLS 256 MICROBES

The latest generation QUATs

Facein™ Power 256

A multipurpose disinfectant

ALDEHYDE
FREE

**KILLS 256
MICROBES**

**Power to kill
rapidly**

**Power to kill in
hard water**

**Power to kill
in organic matter**

**Power of
disinfection**

Power of cleaning

**Power of safety
(Non-Corrosive,
Non-Toxic,
Env. Friendly)**

COMPOSITION

- Alkyl Dimethyl Benzyl Ammonium Chloride - 2.37 %
- Alkyl Didecyl Dimethyl Ammonium Chloride - 2.37 %
- Brilliant Blue FCF, Perfume, Purified Water – q.s.
- Inert Base – 95.26%

MECHANISM OF ACTION

- Penetration/Adsorption to cell membrane
- Destruction of cell membrane
- Leakage of low molecular weight material
- Degradation of proteins & nucleic acids, finally causing cell death

ANTIMICROBIAL ACTIVITY

- Broad Spectrum
- Bactericidal
- Virucidal
- Fungicidal
- Mycobactericidal

APPLICATION AREA

- Operation theatres
- ICUs, NICU, ICCU
- Burn Units
- Dental Clinics
- Blood banks
- Laboratories



COMPARISON OF DIFFERENT TYPES OF DISINFECTANT

Evaluation Criteria	Phenols	Aldehydes	Hypochlorides	Oxidising Agent	Facein Power 256
Spectrum of activity	Yes	Yes	Yes	Yes	Yes
Tolerance to skin	Irritant to skin	Irritant to skin & eyes	Irritating to skin & eyes	Irritating to eyes	Non-irritant & non toxic
Carcinogenicity	Yes – proven carcinogen	Yes – Proven carcinogen	Yes – Proven Carcinogen	Non Carcinogenic	Non Carcinogenic
Corrosiveness	Corrosive	Non-corrosive	Corrosive	Corrosive	Non-corrosive
Efficacy with organic matter	Effective	Reduced	Rapidly reduced	Variable	Effective
Efficacy with hard water	Effective	Reduced	Effective	?	Effective
Efficacy with Soap/Detergent	Effective	Reduced	Inactivated	?	Effective
Storage	Easy: Room temperature	Easy: Room temperature	Difficult: Exposure to light inactivates	Difficult: Exposure to light inactivates	Easy: Room temperature

? Information not found

COMPARISON OF DIFFERENT TYPES OF FORMULATIONS*

Formulation Name	Disinfectant Type	Re-entry Level	Corrosiveness	Total Microbes Kill
Facein Power 256	5th generation QUATs	30 minutes	Non Corrosive	256
Alkyl Dimethyl Benzyl Ammonium Chloride + Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	3rd generation QUATs	40 minutes	Non Corrosive	141
Potassium Peroxymonosulfate + Sodium Chloride	Peroxides	?	Non Corrosive	95
Hydrogen Peroxide + Silver Nitrate	Peroxides	60 minutes	Corrosive	?

? Information not found

*Based on Master Label of different formulations in market

FACEIN POWER 256 DILUTION CRITERIA

Critical area:

- **Mopping**- Add 15 ml of Facein Power 256 concentrate in 1000 ml tap water for mopping/wiping of floors, walls, furniture's, operation tables, O.T. lamps etc.
- **Fogging**- Add 30 ml of Facein Power 256 concentrate with 1000 ml tap water for 1000 cu. ft

Non Critical area:

- **Mopping**- Add 15 ml of Facein Power 256 concentrate in 1000 ml tap water for mopping waiting areas, reception areas, wards, corridors etc.

PACKING: 1 liter

PRECAUTIONS:
Avoid skin contact | Keep out of the reach of the children | Keep away from the eyes

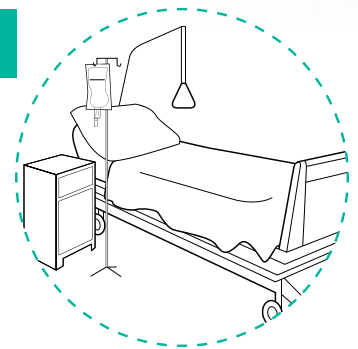
STORAGE: Store in cool and dry place



CLASSIFICATION OF QUATERNARY AMMONIUM COMPOUNDS

1nd GENERATION OF QUATERNARY AMMONIUM COMPOUNDS

Called Benzalkonium chloride, has lowest biocidal activity



2nd GENERATION OF QUATERNARY AMMONIUM COMPOUNDS

Called Alkyl dimethyl (ethylbenzyl) ammonium chloride, as an individual component not used for commercial purpose



3rd GENERATION OF QUATERNARY AMMONIUM COMPOUNDS

The mixture of 1st & 2nd generation of QUATs also called "Dual quats"

4th GENERATION OF QUATERNARY AMMONIUM COMPOUNDS

Called "Twin or dual chain quats". These quaternaries are superior in germicidal activity, have a neutral pH with increased tolerance to protein loads and hard water

5th GENERATION OF QUATERNARY AMMONIUM COMPOUNDS

The mixture of the 2nd & 4th generation of QUATs, Fifth generation quats have an outstanding germicidal performance, they are active under more hostile conditions and are safer to use