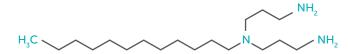


# Triameen® Y12D antimicrobial

Highly effective biocidal amine with broad spectrum microbiocidal properties

As a leading producer of fatty amine-based products, we are a back-integrated manufacturer and offer a highly experienced technical and regulatory expert team, providing quick, high-value service and advice.

#### Triameen® Y12D antimicrobial molecule



Bis (3-aminopropyl) dodecylamine (CAS 2372-82-9)

# Triameen® Y12D antimicrobial is highly effective

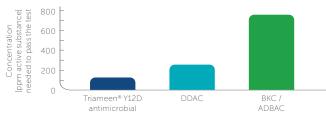
#### Against mycobacteria

Results EN 14348 (0,03% BSA (Bovine Serum Albumin)), contact time 60 minutes:

Mycobactericidal and Tuberculocidal at 600 ppm active substance

# Against Pseudomonas aeruginosa compared to quaternary ammonium compounds (quats)

Results EN 1276 (0,03% BSA), contact time 5 minutes:



BKC / ADBAC:  $C_{12-16}$ -alkyldimethylbenzylammonium chloride DDAC: Didecyldimethylammonium chloride

#### Against enveloped viruses like influenza virus H1N1

Results EN 14476 (0,03% BSA), contact time 10 minutes: Effective at 300 ppm active substance

## **Properties**

- Broad spectrum antimicrobial performance
- Free of aldehydes and halogens
- Not a sensitizer
- Not a guat → better compatible with anionic formulations
- Not solvent based, non-flammable
- Non-corrosive to metal
- Readily biodegradable
- High biobased content 67% RCI
- High activity ingredient 88-94% as sold
- Low-color
- Low-odor
- Liquid at room temperature

## Regulatory situation

### Europe

- Biocidal Product Regulation (BPR):
   Supported in EU and Great Britain for following Product Types (PT):
  - Disinfection use (PT 2, 3, 4)
  - Preservative use (PT 6, 11, 12, 13)
- Further information for use as preservative:
   Triameen® Y12D antimicrobial is on BfR (German Federal Institute for Risk Assessment) recommendations on Food Contact Materials
  - XIV: Polymer dispersions for coating commodities
  - XXXVI: Paper and board

#### **USA**

- EPA reg no 34688-85:
   Manufacturing Use Product (MUP) for use in formulating end-use antimicrobial products for use on hard, non-porous non food contact surfaces
- US registrations granted in all states

Contact us directly for detailed product information and sample request website | nouryon.com/markets/cleaning email | cleaning@nouryon.com

# Nouryon

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