# Nouryon Triameen Y12D The high performing, non-sensitizing biocide without MRL

Highly effective biocidal amine with broad spectrum microbiocidal properties

# A leading producer of fatty amine based products, Nouryon offers

- Highly experienced technical and regulatory expert team giving quick and high value service and advice
- Support in BPR product registration with information needed to optimize the registration process, saving time and money

## Triameen Y12D is highly effective for example

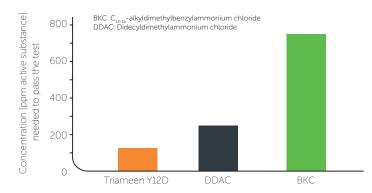
### against mycobacteria

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:



### against influenza virus H1N1

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

### against Pseudomonas aeruginosa at short contact time

Results EN 1276 (0,03% BSA), contact time 15 seconds: Effective at 450 ppm active substance

### Structure of the Triameen Y12D molecule

$$\begin{array}{c|c} & & & \\ & & & \\$$

Dodecyldipropylene triamine

### **BPR (Biocidal Products Regulation)**

Authorization process is running for following PT (Product Types):

- disinfection use (PT 2, 3, 4)
- preservative use (PT 6, 11, 12, 13)

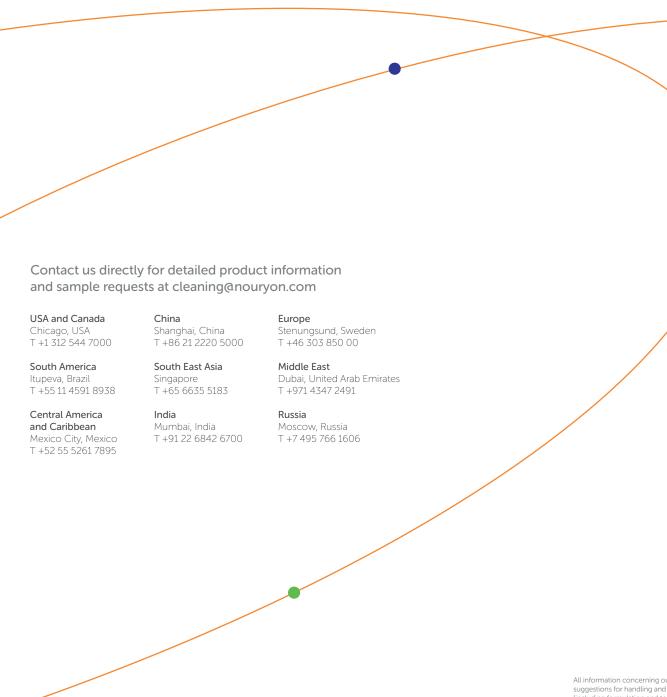
# Specifically suitable for disinfection of food contact surfaces

- usual concentrations are safe regarding indirect food contact
- on the "French positive list"
- no MRL (Maximum Residue Limit)

# Specifically suitable for preservation of technical products

- free of aldehydes and halogens
- not a sensitizer
- on BfR (German Federal Institure for Risk Assessment) recommendations on Food Contact Materials
  - XIV: Polymer dispersions for coating commodities
  - XXXVI: Paper and board

Triameen Y12D is not a quat and therefore shows much better compatibility with anionics.



### **About Nouryon**

We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

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