



## Triameen Y12D-30

### Influence of pH on the biocidal efficacy

#### Introduction

Fatty amines and derivatives are widely used in formulations for the control of bacteria, fungi and algae.

#### Product

AkzoNobel produces an extensive range of fatty amine derivatives with antimicrobial properties. The outstanding features of fatty amine derivatives as disinfectant are high efficacy against a broad spectrum of micro-organisms and relatively low toxicity when used at recommended use level. Triameen Y12D-30 is notified for the European BPD and will be registered and accordingly will continue to be available for our customers in the future.

### Influence of pH on the biocidal efficacy

Triameen Y12D-30 is used in a broad pH range from very acidic to high alkaline condition.

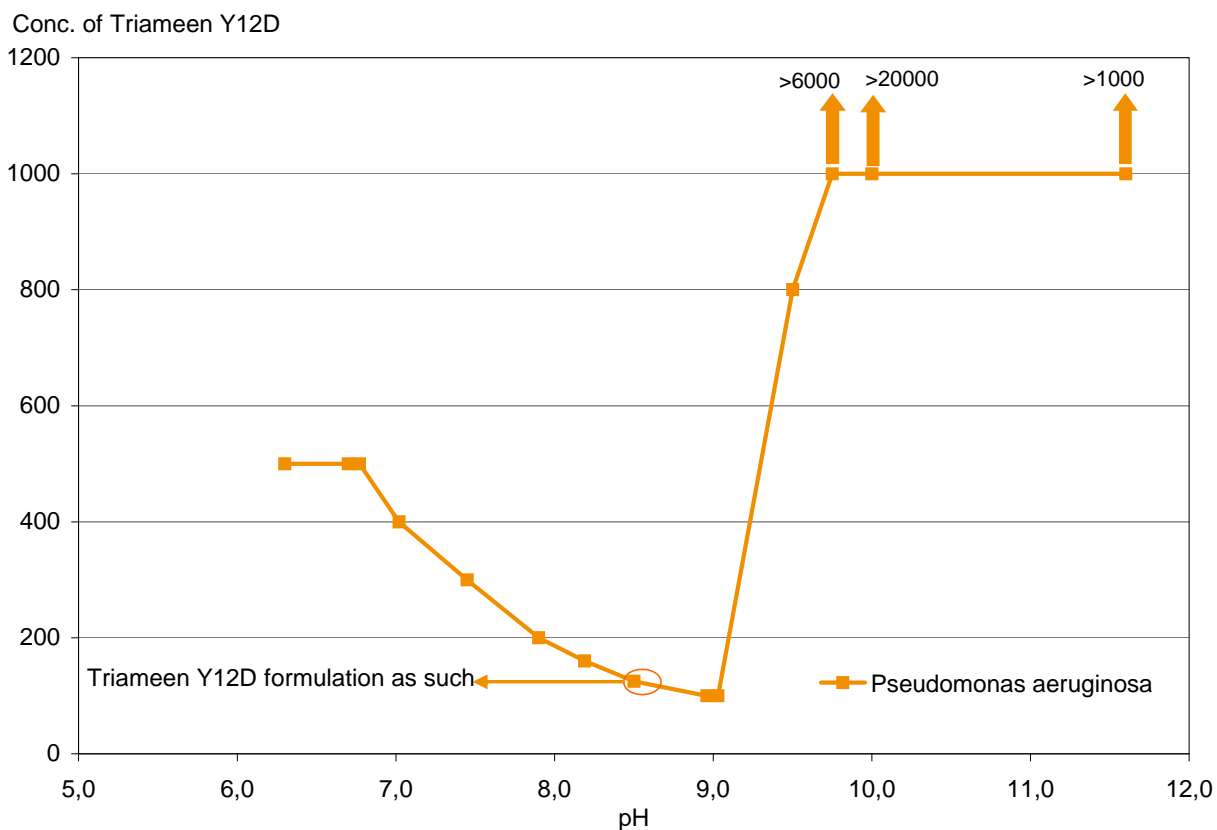
The outstanding performance of Triameen Y12D-30 has been studied at different pH against one of the most resistant gram negative bacteria; *Pseudomonas aeruginosa*. This study indicated that the preferred pH area against this micro-organism is the area between pH 8 and 9. NaOH or HCl has been used to adjust the desired pH. At pH 8,5 neither NaOH nor HCl was used.



## Influence of pH (adjusted with HCl/NaOH) on biocidal efficacy of Triameen Y12D-30

### Test conditions

EN 1276, *Pseudomonas aeruginosa*  
0.03% BSA, 17°dH  
No buffer



Triameen<sup>®</sup> is a registered trademark in many countries.

All information concerning these products and/or all suggestions for handling and use contained herein are offered in good faith and believed to be reliable. Akzo Nobel Surface Chemistry AB and its affiliates, however, make no warranty as to the accuracy and/or sufficiency of such information and/or suggestions, as to the products' merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of these products for his purposes. The information contained herein supersedes all previously issued bulletins on the subject matter covered. The user may forward, distribute and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use.