

Abstract for Chitosan Natural Disinfection Production for Medical and Industrial Application

*This abstract reflects general technical
aspects of chitosan disinfection production*



INTRODUCTION

Viruses and Bacteria are spread all over the world. So every creature is attacked by viruses and bacteria for

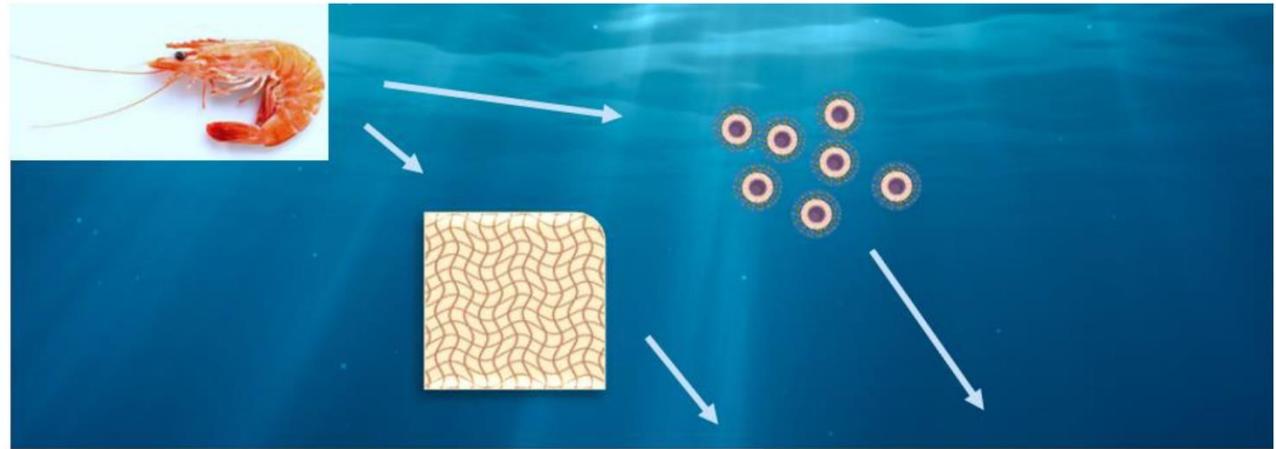
the whole life time. Hence adequate protection equipment is needed to minimize the risk of

harmful diseases caused by viruses and bacteria and to improve life time and comfort.



The Benefits of Chitosan

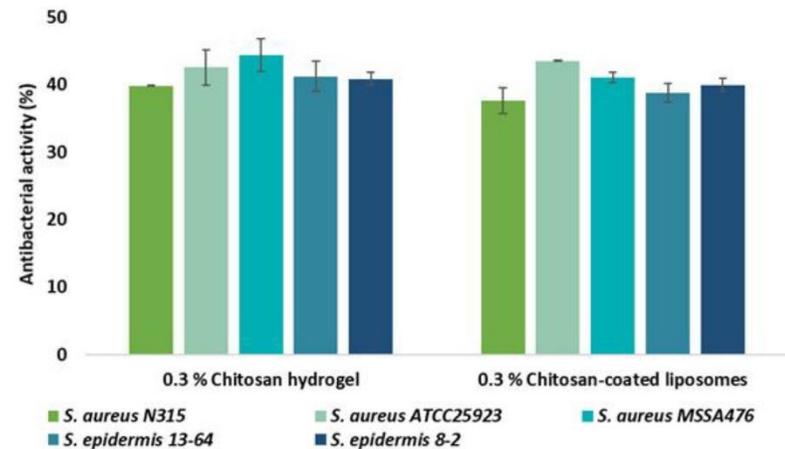
Chitosan is a bio-polymer derived from the natural bio-polymer chitin. Chitin is the molecule of which most exoskeletons are made of, like Crustacean shells, insects and many other organisms. The antibacterial, antiviral and antifungal effects of chitosan are scientifically proven.



Chitosan hydrogel

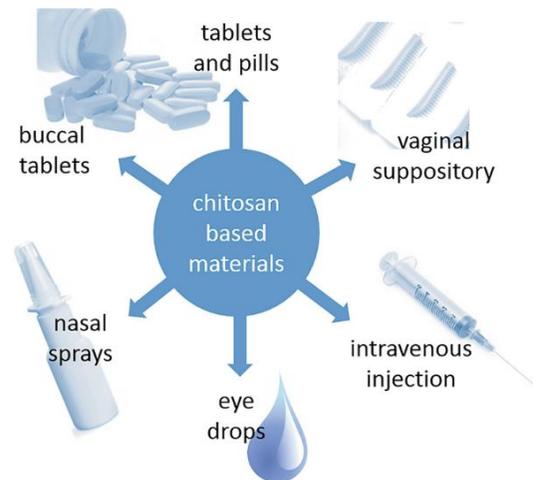


Chitosan-coated liposomes

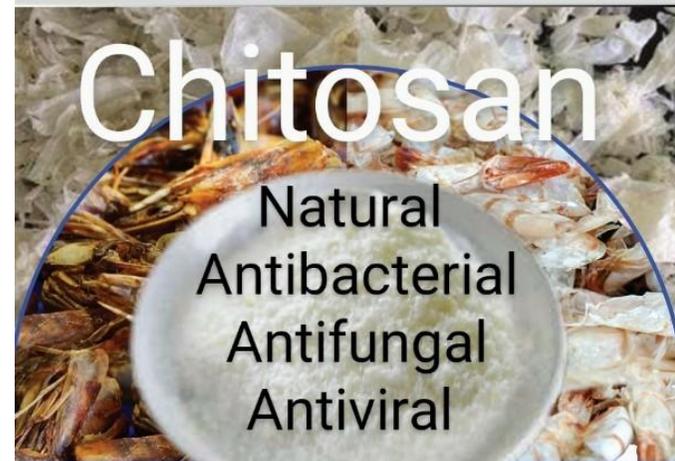


Applications of Chitosan

Chitosan based materials are used in a very wide range of products. Some are shown in the figure beside. The application for antibacterial coatings is the new state-of-the-art technology to use the positive benefits of chitosan even for more products.

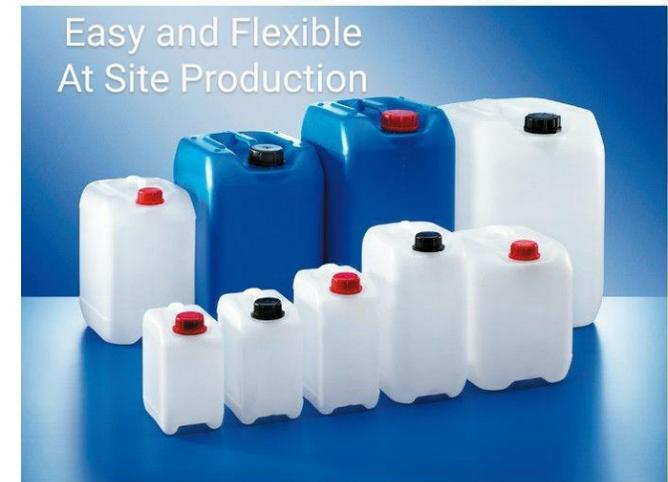


for several medicinal, industrial and biotechnological purpose



Production Line Equipment

The production line equipment needed is ONLY an industrial mixing tank for producing chitosan-based disinfection solution. It represents a very small and easy production line that can be installed even with very limited room capacities and without professional support at site in every region. It will mix and fill directly as high concentrated or diluted solution in various dilution ratios.



Industrial Application



GRAZIE VINAKA
TERIMA KASIH
THANK YOU
TAKK
merci

감사합니다
ありがとう



ensymm is a German based premier project consulting company for Life Sciences, serving biotech companies, pharmaceutical industry and food ingredient companies. We provide clients with a variety of business and technology consulting services as well as with specialized teams in various areas of our competence.

For further inquiries and quotes, please contact:

ensymm UG & Co.KG

Life Science Center Dusseldorf
Merowingerplatz 1
40225 Dusseldorf
Germany

Tel: 0049 2113367527

Project_assistant@ensymm.com

www.ensymm.com

ensymm
Project Consulting
for Life Science