

## Formulation

Eco-friendly products are biodegradable also, hence use of Alkylpolyglycosides (APGs) is recommended, which are used in

industrial and institutional cleaning formulations.

APGs are used to enhance the formation of foams in cleaning formulations and are readily biodegradable.

“Sometimes cost and affordability also play a role in use of eco-friendly chemicals. For example, spraying air fresheners alone in washrooms is not going to solve the problem. Using organic acids in bathroom cleaners with Quats will help sanitize and shine the fixtures. Bathroom cleaners can be acidic in nature with low pH values giving excellent results and enabling removal of hard water stains, soap scum without damaging the fixtures, due to its organic and non-corrosive nature unlike hydrochloric acid,” says Yugesh Naik, Business Head, Alpha Products.

## Understanding Chemicals in Surface Cleaning

“The market in India is just booming with more and more players foraying to sell their products in the campaign for having a clean India. With Swachh Bharat mission,

we are confident enough that, more and more people will be creating newer products. Finally, I would like to say that even though all products may look alike, any formulator worth his salt will be quick to tell you that not all surfactants are created equal and that some cleaners are better than others, given the situation,” says



“In a pharma industry, the entire range of cleaning products has to be bacteria-free, neutral pH and non-ionic, hence preservatives should be added. Floor cleaners may also be anionic, nonionic, or blend

of both with good super wetting properties with Quats.”

under compromise can adversely affect the entire ecosystem,” says Sumcet.

Chemical disinfectants used in pharma/food sector

There are a number of disinfectants available in the market but some specific chemicals and their combinations are used

in food and pharma sector based on various factors, including cost, sanitation potential, and process/equipment in use.

“In a pharma industry, the entire range of products has to be free from bacteria; hence preservatives should be added. Floor cleaners should be made from non-ionics with a neutral pH. However, floor cleaners may also be anionic, nonionic, or blend of both with good super wetting properties and Quats added to them. The cleaners should preferably be free from any perfume in the food industry.”

“Food industry should look into products, which will emulsify oils from the floor, hence selecting proper surfactants is necessary by the manufacturer. With these different types of surfactants it is a wonder that formulators are able to choose the right detergent for the right application,” informs Yugesh.

## ‘Customer Satisfaction’



Housekeeping is a science for a cleaner environment. “The purpose of utilizing cleaning chemicals is to maintain health & hygiene. However, the purpose is not served if the right chemicals are not used properly,” says Yugesh Naik, Business Head-Alpha Products during an interaction with *Clean India Journal*.