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ALKYL POLY GLUCOSIDES (APG)



INTRODUCTION AND PROPERTIES:

1. Nonionic surfactant made from natural fatty alcohols and glucose which are derived from renewable plants.
2. Superior detergency, wetting and surface active properties.
3. High solubility in concentrated alkaline solutions and other electrolytes and will solubilize other less soluble ingredients.
4. Good compatibility with all other types of surfactants and synergistic effects can be found. It can improve the mildness of formulations significantly.
5. Produces a rich and stable foam.
6. Non-toxic, non-irritating to skin, readily biodegradable.

Health Issue and Social Responsibility:

Recent studies have shown that traditional synthetic surfactants are not controversial ingredients because they are known carcinogens on their own. However, when combined with other ingredients present in the consumer product, these surfactants have the potential to react and form known carcinogenic compounds called 'Nitrosamines'.

Hence, APG is the best alternative available to avoid probable health issues and socially responsible personal care and home care product manufacturers should shift to these new class of biodegradable surfactants which are made out of renewable sources and are very eco-friendly.

SOME OF THE APPLICATIONS

APG is widely used in the following application areas:

1. Personal care products and household detergents: shampoo, body-cleaner, cream rinses, hand sanitizer, dishwashing, etc.
2. Hard surface cleaning
3. Scouring agents in textile industry with alkaline stability and high temperature resistance ..

AND SO ON.....

Please contact for :

- **ALKYL POLY GLUCOSIDES (APG)**
(Biodegradable Green Surfactant)
- **ALKYL POLY ETHOXY CARBOXYLATE (AEC)**
- **IMIDAZOLINE**
- **POLYQUATERNIUM - 6**
- **POLYQUATERNIUM - 11**



<p>Alkyl Poly Glucosides (APG) (manufactured from renewable sources)</p>	
<p><u>Grades</u></p> <ul style="list-style-type: none"> • Coco Glucoside – 50% • Decyl Glucoside – 50% • Hexyl Glucoside – 75% • Lauryl Glucoside – 50% • Iso Octyl Glucoside – 60% • Capryl/Caprylyl Glucoside –50% & 70% 	<p>Personal Care products like Day Cream, Night Cream, Body Cream and Lotion, Shampoos, Body Wash, Hand Sanitizers, etc.</p> <p>Home Care products like Household Detergents and Dishwashing Liquids</p>
<p>Alkyl Poly Ethoxy Carboxylate (AEC) (multi-functional anionic surfactant)</p>	
<p><u>Applications</u></p>	<p>Personal Care products like Day Cream, Night Cream, Body Cream and Lotion, Shampoos, Body Wash, Hand Sanitizers, etc.</p> <p>Mild Soaps</p> <p>Household Detergents</p> <p>Non-Phosphorous Detergents</p>

**Imidazoline
(bio-degradable surfactant)**

Applications

Personal Care products like Baby Shampoos, Shower Gels, Cream Rinses, etc.

Home Care products like Household Detergents and Dishwashing Liquids

Polyquat Series – Cationic Conditioners

Polyquaternium - 6

Hair Care & Skin Care, contributes luster & a soft, silky feel , provides excellent slip, lubricity and snag free wet combability to hair

Polyquaternium - 11

Skin Care – Shaving products, moisturizers
Hair care – Conditioners & Shampoos
Styling products – Gels, waxes & mousse