

The background of the slide is a light green gradient with various tropical leaves and ferns scattered around the edges. The leaves are in shades of green, from light to dark, and some have a slight shadow effect. The central text is positioned in the middle of the slide.

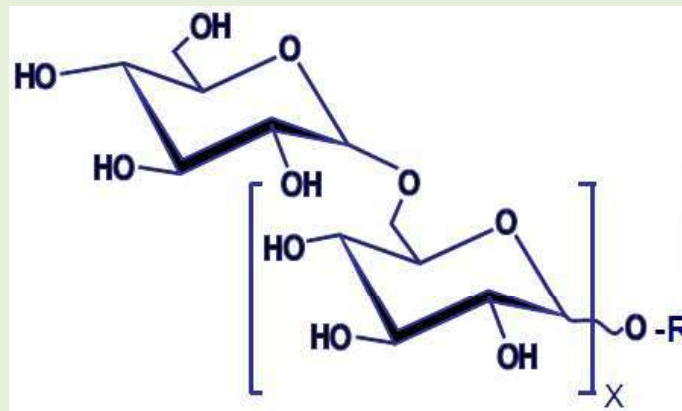
✓ About APG

Alkyl Polyglucoside - Mild Nonionic Surfactant

✓ About APG

Alkyl Polyglucoside (APG) is a nonionic surfactant.

- Chemical Structure



R is based on natural, renewable resources

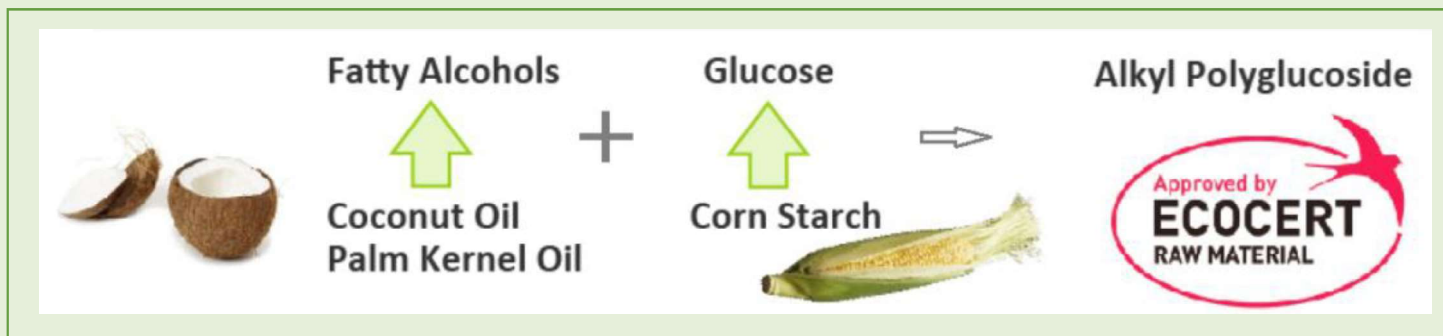
X= DP

DP= 1.3 –1.7

✓ About APG

- Production flow chart

APG is made from natural fatty alcohols and glucose derived from renewable plants.



- Green, Natural, Mild, Safe

✓ About APG

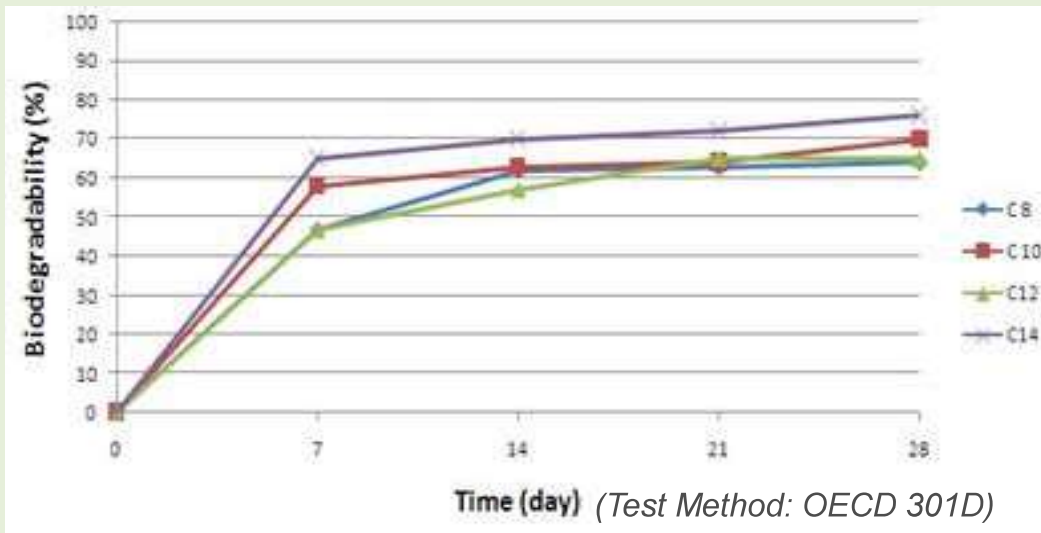
● Properties

- ✓ Excellent cleaning performance
- ✓ Superior wetting property, low surface tension
- ✓ Alkaline resistance
- ✓ Extremely mild, very low skin irritating
- ✓ Good compatibility with all other types of surfactants
- ✓ Natural origin, Readily biodegradable



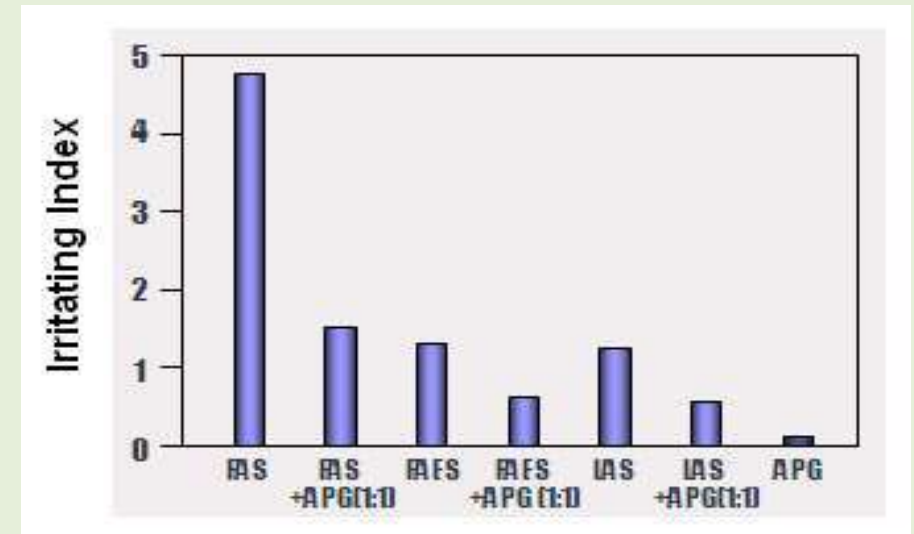
✓ About APG

- Biodegradation



APG show excellent biodegradation.

- Skin irritation



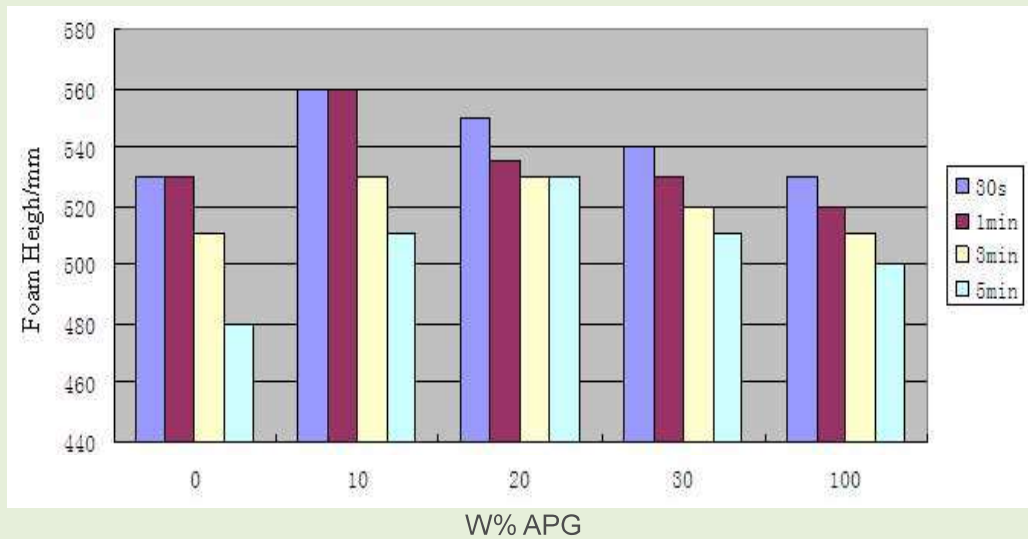
(Test Method: OECD 404)

APG show lower irritating.

✓ About APG

- Synergistic effects

Synergistic effects of APG and K12(Sodium Lauryl Sulfate)



APG shows excellent compatibility and foamability.

✓ About APG

● Applications

Personal Care

- Shampoo
- Bubble bath
- Cleaning lotion
- Cosmetic emulsifiers
- Facial cleaning

House-hold

- Dishwashing detergents
- Laundry detergents
- Adjuvants for textile
- Carpet spot remover

I&I industry

- I&I Industrial cleaners
- Hard surface cleaners
- Car wash

