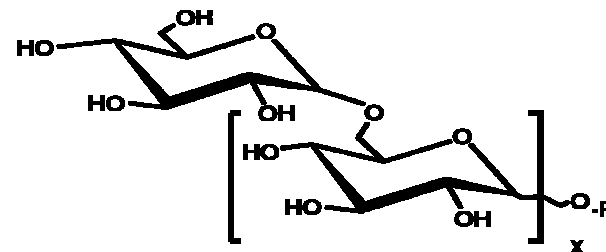


High performance alkyl polyglucoside surfactants made from renewable raw materials, sugar, and coconut or palm kernel based alcohol. Most of the APGs are available as non-GMO sourced raw materials. This combination offers the following functional benefits:

- Excellent detergency
- Low residue on cleaned substrates
- Stable in high levels of alkali
- Superior biodegradability
- Nonionic – compatible with all other surfactants
- High performance even in hard water



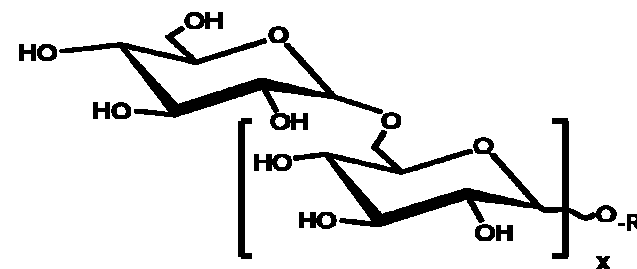
Jarfactant™	215UP	220S	225DK	230EX	230UP	325N	325UP	420UP	425N	600UP	625UP	630EC	650EC
Carbon Chain Length	8-10	8-10	8-10	8-10	8-10	9-11	9-11	8-16	8-16	12-14	12-14	12-14	8-14
pH (10%)	12	12	7	7	12	7	12	12	7	12	12	12	12
Active (%)	64	53	70	70	70	50	50	50	50	50	50	50	50

Jarfactant™	6202	6204	6206
Carbon Chain Length	8	4	6
pH (10%)	7	7	7
Active (%)	60	60	75

325 series and 6202 are from synthetic alcohol

The Sucranov™ surfactant line are derived from natural, sugar based ingredients. They are mild, non-ionic surfactants offering gentle cleansing for a wide variety of personal care applications.

- Sugar based ingredients
- Sulfate free
- Stable foam production
- Varying HLB values
- Wide variety of cosmetic and dermatological applications
- All natural



Sucranov™	810UP	2000UP	818UP	1200UP
Carbon Chain Length	Capryl Glucoside	Decyl Glucoside	Coco Glucoside	Lauryl Glucoside
pH (10%)	12	12	12	12
Active (%)	50	50	50	50

