

ALKYL POLYGLUCOSIDE APGCH-0810 series

Product name	APGCH-0810R	APGCH-0810	APGCH-0810\65
Appearance 25o C	Colorless/light yellow liquid	Light yellow liquid	Light yellow liquid
Carbon chain distribution C6 C8 C10 (from fatty alcohol)	0%~1% 40%~50% 50%~60%	0%~1% 40%~50% 50%~60%	0%~1% 40%~50% 50%~60%
Solid content (wt%)	≥50.0	≥50.0	≥65.0
PH (10% solution)	11.5-12.5	11.5-12.5	11-12.5
Free alcohol (wt%)	≤0.3	≤1.0	≤1.0
Sulfated ash (wt%)	≤3.0	≤3.0	≤4.0
Viscosity (mpa.s), 20o C	≥200	≥200	≥2000
Butyl glucoside	0	0	0
Water (wt%)	47-50	47-50	33-35
Density (g/cm3), 25o C	1.08-1.10	1.08-1.10	1.14-1.16
Surface Tension (mN/m), 25o C	27-30	27-30	27-30
Microbes (Sum, CFU/g)	≤10		

Instruction

ALKYL POLYGLUCOSIDE APGCH-0810 is with low irritation to skin, good compatibility, without negative effect, rich ,delicate, stable and emulsifying bubble, so it is suitable for the application in the high-end personal care products: shampoo, cleanser, hand sanitizer and baby shampoo& shower gel.

ALKYL POLYGLUCOSIDE APGCH-0810 is with different carbon chain, when it is used in laundry liquid, it can reduce the friction between clothes, improve pine canopy of fabric, softness of fiber and cotton, which make cloth with a good feel.

When ALKYL POLYGLUCOSIDE APGCH-0810 is mixed with anionic surfactant in dishwashing detergent, the dishwashing detergent have better property of oil remove, good foam, especially the excellent compatibility of skin, there is not any harm to skin, moreover, its green and environmental. Due to ALKYL POLYGLUCOSIDE APGCH-0810's high alkaline resistance, it could be used in special detergent, furniture cleaning, cleaning industry as hard surface cleaning, textile industry as refining agent to resist high temperature.

ALKYL POLYGLUCOSIDE APGCH-0810 is a green surfactant, so it could be applied to

bubble water and oil exploration as excellent foaming agent.

ALKYL POLYGLUCOSIDE APGCH-0814series

Product name	APGCH-0814\55	APGCH-0814\46	APGCH-0814\64
Appearance.25O C	Colorless/light yellow liquid	Light yellow liquid	Light yellow liquid
Solid content (wt%)	≥50.0	≥50.0	≥50.0
PH(10%Solution)	11.5-12.5	11.5-12.5	11.5-12.5
Free alcohol (wt%)	≤0.6	≤0.6	≤0.6
Sulfated ash (wt%)	≤3.0	≤3.0	≤3.0
Viscosity (mpa.s), 20o C	≥1000	≥2000	≥600
Butyl glucoside	0	0	0
Water (wt%)	47-50	47-50	47-50
Density (g/cm3), 25o C	1.08-1.10	1.08-1.10	1.08-1.10
Surface tension (mN/m), 25o C, 0.1%	28-30	28-30	28-30
Microbes (Sum, CFU/g)	≤10	≤10	≤10

Instruction

ALKYL POLYGLUCOSIDE APGCH-0814 is with low irritation to skin, good compatibility, without negative effect, with rich, delicate, stable and emulsifying bubble, so it is suitable for the application to the high-end personal care products: shampoo, cleanser, hand sanitizer and baby shampoo& shower gel.

ALKYL POLYGLUCOSIDE APGCH-0814 is with different carbon chain, as it is used in laundry liquid, it can reduce the friction between clothes, improve pine canopy of fabric, softness of fiber and cotton, which make cloth with a good feel.

When ALKYL POLYGLUCOSIDE APGCH-0814 is mixed with anionic surfactant in dishwashing detergent, the dishwashing detergent have better property of oil remove, good foam, especially the excellent compatibility of skin, there is not any harm to skin, moreover, its green and environmental. Due to ALKYL POLYGLUCOSIDE APGCH-0814's high alkaline resistance, it could be used in special detergent, furniture cleaning, hard surface cleaning, textile industry as refining agent to resist high temperature.

ALKYL POLYGLUCOSIDE APGCH-0814 is a green surfactant, so it could be applied in bubble water and oil exploration as excellent foaming agent.

ALKYL POLYGLUCOSIDE APGCH-1214 series

Product name	APGCH-1214R	APGCH-1214
Appearance. 25° C	Colorless/light yellow liquid	Light yellow liquid or paste
Carbon chain distribution ≤C10 C12 C14 C16 (from fatty alcohol	0%~4% 70%~78% 22%~30% 0%~2%	0%~4% 70%~78% 22%~30% 0%~2%
Solid content (wt%)	≥50.0	≥50
PH(10% solution)	11.5-12.5	11.5-12.5
Free alcohol (wt%)	≤0.7	≤1.0
Sulfated ash (wt%)	≤3.0	≤3.0
Viscosity (mpa.s), 40° C	≥2000	≥2000
Butyl glucoside	0	0
Water (wt%)	47-50	47-50
Density (g/cm ³), 25° C	1.07-1.09	1.07-1.09
Surface tension (mN/m), 25° C, 0.1%	28-30	28-30
Microbes (Sum, CFU/g)	≤10	

Instruction

ALKYL POLYGLUCOSIDE APGCH-1214 is with low irritation to skin, good compatibility, without negative effect, rich ,delicate, stable and emulsifying bubble, so it is suitable for the application in the high-end personal care products: shampoo, cleanser, hand sanitizer and baby shampoo& shower gel.

ALKYL POLYGLUCOSIDE APGCH-1214 is with different carbon chain, as it is used in laundry liquid, it can reduce the friction between clothes, improve pine canopy of fabric, softness of fiber and cotton, which make cloth with a good feel.

When ALKYL POLYGLUCOSIDE APGCH-1214 is mixed with anionic surfactant in dishwashing detergent, the dishwashing detergent have better property of oil remove, good foam, especially the excellent compatibility of skin, there is not any harm to skin, moreover, its green and environmental. Due to ALKYL POLYGLUCOSIDE APGCH-1214's high alkaline resistance, it could be used in special detergent, furniture cleaning, industrial hard surface cleaning, textile

industry as refining agent to resist high temperature.

ALKYL POLYGLUCOSIDE APGCH-1214 is a green surfactant, so it could be applied in bubble water and oil exploration as excellent foaming agent.

ALKYL POLYGLUCOSIDE APGCH-Z6 series

Product name	APGCH-Z6
Appearance.25O C	Amber transparent liquid
Solid content (wt%)	≥ 50.0
PH(10% solution)	7-9
Free fatty alcohol (wt%)	≤ 1.0
Sulfate ash (wt%)	≤ 3.0

Instruction

ALKYL POLYGLUCOSIDE APGCH-Z6 is with low carbon chain, the main character is with no bubble, and good property for anti-bubble in the formulation system. APGCH-Z6 is not only with excellent water-solubility, but also could dissolve some compound that not easy to soluble in water, so it usually used as solubilizer in the system of low bubble.

ALKYL POLYGLUCOSIDE APGCH-Z6 is with excellent water-solubility, shows well solubility, and compatibility in strong acidic, strong alkali and electrolyte solution. The most important property is almost no bubble, also dissolve some compound that not soluble in water,

ALKYL POLYGLUCOSIDE APGCH-Z8 Series

Product name	APGCH-Z8
Appearance 25O C	Colorless/light yellow liquid
Solid content (wt%)	≥ 50.0
PH(10% solution)	7-9
Free fatty alcohol (wt%)	≤ 1.0
Sulfate Ash (wt%)	≤ 3

Instruction

ALKYL POLYGLUCOSIDE APGCH-Z8 is isomeric alcohols of APG product, the biggest character is with good wetting property, strong alkaline resistance, and the stronger alkaline resistance, the better wetting property.

ALKYL POLYGLUCOSIDE APGCH-Z8 is mainly used as a wetting agent in high alkaline system, ALKYL POLYGLUCOSIDE APGCH-Z8 is with low bubble, so ALKYL POLYGLUCOSIDE APGCH-Z8 can dissolve other compound that can not dissolved, APGCH-Z8 can be used in metal and mechanical cleaning in area of low bubble and strong alkaline system.

ALKYL POLYGLUCOSIDE APGCH-Z8 shows well solubility and compatibility in strong acidic, alkaline and electrolyte solution, it could be applied to the area that require low or middle bubble surfactant, including hard surface cleaning industry, food or medical bottle cleaning, textile industry as refining agent to resist high temperature, strong alkaline.

ALKYL POLYGLUCOSIDE APGCH-Z4 Series

Product name	APGCH-Z4
Appearance 25°C	light yellow liquid
Solid content (wt%)	50.0min
PH(10% solution)	7-12.5
Free fatty alcohol (wt%)	1.0max
Sulfate Ash (wt%)	3max
Viscosity (mpa.s), 20°C	50.0min

Instruction

ALKYL POLYGLUCOSIDE APGCH-Z4 is isomeric alcohols of APG product, the biggest character is with good wetting property, strong alkaline resistance, and the better wetting property.

ALKYL POLYGLUCOSIDE APGCH-Z4 is mainly used as bottle cleaning and hard surface cleaning