

ALKYL POLYGLUCOSIDES-APGs

SURFACTANTS GOOD FOR SKIN, HAIR AND FOR THE ENVIRONMENT

Alkyl polyglucosides (APGs) are widely used non-ionic surfactants, made from natural raw materials. Their main benefits are mildness to the skin, foaming properties, compatibility with other ingredients. Complete range from certified sustainable palm-based raw material, readily biodegradable.

Ingredients highlights

- Excellent mildness on the skin
- Effective cleansing properties
- Rich and stable foam
- Highly compatible with actives and other surfactants, including cationics
- Stable over a wide pH range and in the presence of electrolytes
- Sulfate-free, EO-free
- Preservative free
- Readily biodegradable
- From 100% renewable feedstocks
- ISO 16128 - Natural Origin Index (Ino)=1
- RSP0 Mass Balance
- Cosmos certified
- Listed in China



LAURYL GLUCOSIDE RSPO - MB

ARTICLE	MP 034441
IDENTIFICATION	INCI Name: Lauryl Glucoside CAS No. : 110615-47-9
COSMOS	CPAI = 52%
APPEARANCE	Light yellow turbid liquid/paste
ACTIVE MATTER	50.0-53.0%
VISCOSITY	2000 - 4000 mPa.s (40°C)
PH (25°C, 10% AQ SOL)	11.5-12.5
PROPERTIES	<ul style="list-style-type: none"> • Good foaming properties • Very good salt thickening when combined with anionic surfactants
APPLICATION	<ul style="list-style-type: none"> • Primary or co-surfactant for facial wash, baby cleansing products, sensitive skin. • Co-surfactant for: body wash, transparent liquid soap, shampoo. Used as co-surfactant, it can reduce the total active ingredients content of foaming formulas without altering their performance. • It can be used in laundry and dishwashing detergent. • Very effective in hard surface cleaning and processing. • Suitable for no-rinse formulations such as hair care and hair gel products.
FORMULATION ADVICE	<ul style="list-style-type: none"> • Good compatibility with all other types of surfactants, including cationics. • Synergistic and thickening effects when mixed with CAPB, SLS, SLES, etc. • It can be used in conjunction with difficult-to-thicken surfactants, such as sulfosuccinated. • Excellent alkaline and electrolyte resistance. • Easy to thicken with natural or synthetic polymers.

COCO GLUCOSIDE RSPO - MB

ARTICLE	MP 034443
IDENTIFICATION	INCI Name: Coco Glucoside CAS No. : 68515-73-1 & 110615-47-9
COSMOS	CPAI = 52%
APPEARANCE	Yellowish slightly cloudy liquid
ACTIVE MATTER	50.0-52.0%
VISCOSITY	2500 - 6000mPa.s (20°C)
PH (25°C, 10% AQ SOL)	11.5-12.5
PROPERTIES	<ul style="list-style-type: none"> • Very good foaming properties • Very good salt thickening when combined with anionic surfactants
APPLICATION	<ul style="list-style-type: none"> • Primary or co-surfactant for facial wash, baby cleansing products, sensitive skin. • Co-surfactant for: body wash, transparent liquid soap, shampoo.
FORMULATION ADVICE	<ul style="list-style-type: none"> • Good compatibility with anionic and amphoteric surfactants. • Easy to thicken with natural or synthetic polymers.

CAPRYLYL/CAPRYL GLUCOSIDE 65 RSPO - MB

ARTICLE	MP 034449
IDENTIFICATION	INCI Name: Caprylyl/Capryl Glucoside CAS No. : 68515-73-1
COSMOS	CPAI = 70%
APPEARANCE	Light yellow liquid
ACTIVE MATTER	62%-65%
VISCOSITY	500-1500 mPa.s (40°C)
PH (25°C, 10% AQ SOL)	11.5-12.5
PROPERTIES	<ul style="list-style-type: none"> • Good foaming properties • Low salt thickening when combined with anionic surfactants
APPLICATION	<ul style="list-style-type: none"> • Co-surfactant for: facial wash, baby cleansing products, body wash, transparent liquid soap, shampoo, sensitive skin. • Excellent perfume and essential oils solubilizer. • Good solubility, permeability and compatibility in strong base and electrolyte. • It is not have corrosive effect to all kinds of material, there will be no traces and cracks. So it can be widely used in household products, hard surface cleaning, scouring agents in textile industry and oil recovery aid etc. • It can be used in dish-washing liquid and laundry detergent.
FORMULATION ADVICE	<ul style="list-style-type: none"> • Excellent alkaline and electrolyte resistance. • It can solubilize other ingredients.

DECYL GLUCOSIDE RSPO - MB

ARTICLE	MP 034445
IDENTIFICATION	INCI Name: Decyl Glucoside CAS No. : 68515-73-1 & 110615-47-9
COSMOS	CPAI = 53%
APPEARANCE	Yellowish slightly cloudy liquid
ACTIVE MATTER	50.0-52.0%
VISCOSITY	1000 mPa.s Min (20°C)
PH (25°C, 10% AQ SOL)	11.5-12.5
PROPERTIES	<ul style="list-style-type: none"> • Very good foaming properties • Good salt thickening when combined with anionic surfactants
APPLICATION	<ul style="list-style-type: none"> • Primary or co-surfactant for facial wash, baby cleansing products, sensitive skin. • Co-surfactant for: body wash, transparent liquid soap, shampoo.
FORMULATION ADVICE	<ul style="list-style-type: none"> • Good compatibility with anionic and amphoteric surfactants. • To be combined with Cocamidopropy/Betaine for abundant foam. • Easy to thicken with natural or synthetic polymers.

Formulating Guidelines

- They can be easily dispersed in water at room temperature
- Mix with moderate agitation until a homogeneous solution is formed
- Crystallization may occur at storage temperature below 35°C; the product can be heated at 40°C and stirred until uniform before use
- Adjust the pH at the end if necessary; recommended pH 4-12

Get in touch to request a sample,
a quote, documentation,
or advice on the best APG for your purpose!

Product identification

- [MP 034443 COCO GLUCOSIDE MB \(MASS BALANCE\)](#)
- [MP 034441 LAURYL GLUCOSIDE MB \(MASS BALANCE\)](#)
- [MP 034445 DECYL GLUCOSIDE MB \(MASS BALANCE\)](#)
- [MP 034449 CAPRYLYL/CAPRYL GLUCOSIDE 65 MB \(MASS BALANCE\)](#)

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