Berg+Schmidt
Functional Lipids



BergaSoft LG 50
BergaSoft DG 50
BergaSoft CG 50

Alkyl PolyGlucoside

BergaSoft range – quality cosmetics with natural ingredients.

Today's consumers are looking for ecofriendly cosmetics compatible with their sense of responsibility for themselves and the planet. Sulphate-free is a still rising trend, and there is a demand among cosmetics manufacturers for green ingredients with a high level of efficacy that are gentle to the skin and hair.

The BergaSoft range meets these "green" expectations, and the line has been extended with three new products: BergaSoft LG 50 Lauryl Glucoside, BergaSoft CG 50 Coco Glucoside and BergaSoft DG 50 Decyl Glucoside.

BergaSoft APG – Properties

- **EO and sulphate-free**
- **Readily biodegradable**
- **Based on renewable raw materials**
- **Preservative-free**
- **Conforms to ECOCERT and COSMOS standards**
- **Also available in Mass Balance RSPO**

BergaSoft APG – Advantages at a glance

- **Excellent foam properties**
- **Easy to thicken**
- **Cold-processable**
- **Suitable for clear formulations**
- **Gentle to the skin and hair**
- **Affordable**



BergaSoft – Modern surfactants

Information

Trade name	BergaSoft LG 50	BergaSoft DG 50	BergaSoft CG 50
INCI	Lauryl Glucoside	Decyl Glucoside	Coco Glucoside
Appearance	Highly viscous liquid with characteristic odour	Viscous liquid with characteristic odour	Viscous liquid with characteristic odour
Active matter (% w/w)	≥ 50	≥ 50	≥ 50
pH	11.5 – 12.5	11.5 – 12.5	11.5 – 12.5
FFA	max. 1 %	max. 1 %	max. 1 %

Using BergaSoft APG range

The cold-processable non-ionic surfactants BergaSoft DG 50, CG 50 and LG 50 are easy to handle since they are capable of pumping and can be processed cold. Since they are stable throughout the usual pH range of 4.5-7, they can be introduced into clear formulations even at high concentrations. They are compatible with a wide range of other surfactants, thickeners and even cationic conditioning polymers, and thus permit numerous applications from skin care to hair care.

Good solubilizers: BergaSoft LG 50, CG 50 and DG 50 facilitate the introduction of fragrances and other lipid materials.

The foam quality of BergaSoft LG 50, CG 50 and DG 50 is excellent and can be further improved by combining it with other BergaSoft surfactants.

Applications

For use in premium and mass-market formulations, like facial cleansers, mild and clear shower gels, high viscosity body cleansers, high foaming shampoos, micellar waters, shaving or cleansing foams.

Usage levels

1-5% as co-surfactant to bring mildness to your formulation and/or boost foam quality

8-20% as main surfactant to allow sulphate-free, cold-processable, transparent and skin friendly rinse-off formulations

Formulation example

Base for transparent, sulphate/betain-free shower gel for sensitive skin

Phase	Product	INCI Name	% (w/w)
A	Demin. Water	Aqua	Up to 100
	Carbopol Aqua SF-1[2]	Acrylates Copolymer	5.0
	NaOH (25%)	Sodium Hydroxide	1.5
	BergaSoft SCI 80[1]	**Sodium Cocoyl Isethionate**	2.0
	BergaSoft LG 50[1]	**Lauryl Glucoside**	3.0
	BergaSoft DG 50[1]	**Decyl Glucoside**	6.0
	BergaCare EM-HE7[1]	**PEG 7 Glyceryl Cocoate**	3.0
	Cocamide MEA	Cocamide MEA	1.0
	Glycerin	Glycerin	1.0
	SLSA	Sodium Lauryl Sulfoacetate	1.0
B	Citric Acid	Citric Acid	q.s.
	Preservative/Fragrance	-	q.s.
	NaCl	Sodium Chloride	up to 1.5

Suppliers: 1: Berg + Schmidt, 2: Lubrizol

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