Berg+Schmidt
Functional Lipids

BergaSoft LG 50
BergaSoft DG 50
BergaSoft CG 50

Alkyl PolyGlucoside

BergaSoft range

Today's consumers are looking for eco-friendly cosmetics compatible with their sense of responsibility for themselves and the planet. Sulphate-free is a still rising trend: there is a demand among cosmetics manufacturers for green ingredients with a high level of efficacy and 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 Glcucoside, BergaSoft CG 50 Coco Glucoside and BergaSoft DG 50 Decyl Glucoside.

Advantages at a glance

- **Effective cleansing**
- **Gentle to the skin and hair**
- **Contain no preservatives**
- **Easy to work with**
- **Cold-processable**
- **Suitable for clear formulations**
- **Readily biodegradable**

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%

BergaSoft DG 50, CG 50 and LG 50

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.
Being stable throughout the usual pH range of 4.5-7, they can be introduced into clear formulations even at a high concentration. 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 optimized further by combining with other BergaSoft surfactants.

Usage level

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

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

Formulation example

Base for transparent, sulfate/betain-free shower gel for sensitive skin (Suppliers : 1 Berg + Schmidt; 2 Lubrizol)

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