

Discover a new Sensory Dimension in Skin Care **GLUCOTAIN®**



Uncover the
**SECRET CODE
OF BEAUTY**

what is precious to you?

DISCOVER GLUCOTAIN®

A NEW SENSORY DIMENSION

Glucotain's innovative sugar-based surfactants indulge the senses through a range of individual foam structures – from fluffy to rich – and light to caring conditioning levels for skin & hair. This renewable surfactant range embraces mildness without compromising on cleansing, and is ideal for new platforms and sulfate free formulations. GlucoTain® is suitable for hair care and skin care applications such as shampoo, shower liquid, soaps, facial cleansers and shaving foams.

GLUCOTAIN® **CLEAR**

Feel The Boost Of Freshness

GLUCOTAIN® **CLEAN**

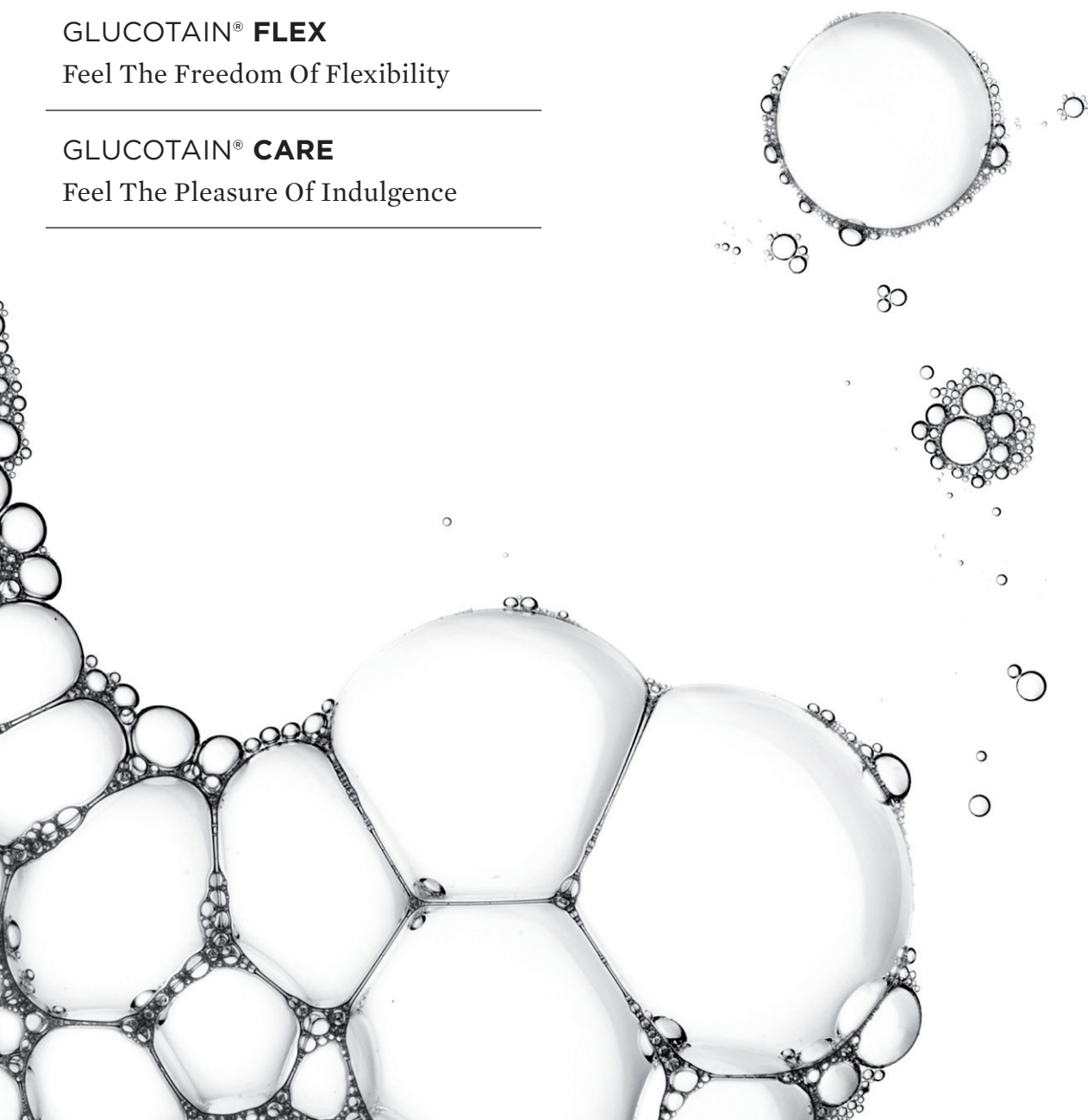
Feel The Mild Side Of Deep Cleansing

GLUCOTAIN® **FLEX**

Feel The Freedom Of Flexibility

GLUCOTAIN® **CARE**

Feel The Pleasure Of Indulgence



GLUCOTAIN® CLEAR



Glucotain® Clear is our EO- and PEG-free hero for fresh and light solutions. This surfactant offers formulations a boost with fluffy foam, easy rinse-off properties and a squeaky-clean skin feel. Suitable for all skin types, Glucotain® Clear is especially recommended for refreshing, vitalizing showers, hand washes and 2-in-1 shower and hair products.



Light foam
Fresh after feel



Vegetable origin.
94% RCI.
RSPO certified.



DESCRIPTION

INCI Declaration	Capryloyl / Caproyl Methyl Glucamide
Origin	Coconut/Palm (RSPO)
Active concentration (%)	50
Appearance, at 25°C	Liquid
Melting point, °C	10
Preservative	-
pH	8.0 – 9.5
ECOTAIN®	Vegetable origin, 94% RCI (Renewable Carbon Index), GMO-free, RSPO certified Palm Oil, No eco-tox labeling under GHS



SENSORY

- Light and fluffy foam
- Easy rinse-off
- Squeaky-clean skin feel



FEATURES

- Good solubilizing properties for perfumes, essential oil & preservatives
- High foam volume
- Suitable for EO- and PEG-free formulations



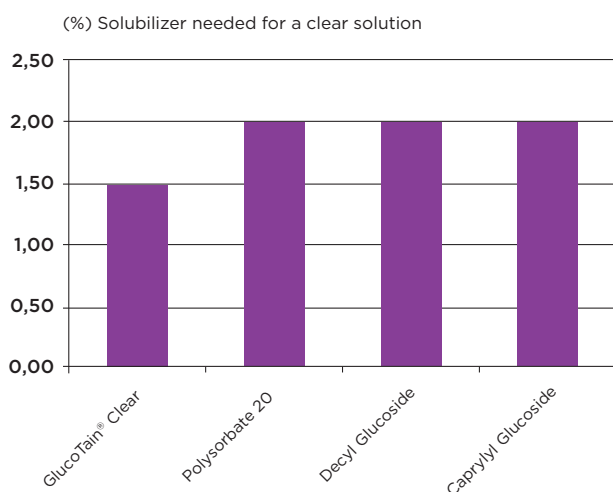
APPLICATIONS

- Refreshing & vitalizing showers, hand washes, men showers, 2-in-1 shower & hair products



TECHNICAL SPOTLIGHT

Effective EO-free solubilizer



Blend of Phenoxyethanol, Benzyl alcohol and Sorbitan Caprylate (total 1.5%) in water



GLUCOTAIN® CLEAN



Fine foam
Conditioned after feel



Vegetable origin.
95% RCI.
RSPO certified.

Glucotain® Clean is our deep cleanser walking on the mild side. With its creamy and fine foam, it leaves the skin with a pleasant, squeaky-clean after feel. Especially suitable for oily skin, Glucotain® Clean is recommend for facial cleansers and make up removers.



DESCRIPTION

INCI Declaration	Lauroyl Methyl Glucamide (and) Ethanol
Origin	Coconut/Palm (RSPO)
Active concentration (%)	60
Appearance, at 25°C	Paste
Melting point, °C	32
Preservative	-
pH	8.0 - 9.5
ECOTAIN®	Vegetable origin, 95% RCI (Renewable Carbon Index), GMO-free, RSPO certified Palm Oil, No eco-tox labeling under GHS



SENSORY

- Creamy and fine foam
- Easy rinse-off
- Pleasant after feel with no tension



FEATURES

- Superior make up removal properties
- Deep cleansing without compromising mildness



APPLICATIONS

- Deep pore facial cleansers, intense make up removers, hand washes



TECHNICAL SPOTLIGHT

Superior makeup removal properties



Start



After 5 strokes



After 12 strokes

Test Design:

- 10% SLES + 2% Glucotain® Clean
- 2ml applied on a cosmetic pad
- Strokes counted to remove waterproof mascara



GLUCOTAIN® FLEX



Creamy foam
Smooth after feel



Vegetable origin.
95% RCI.
RSPO certified.

Glucotain® Flex is our versatile solution offering flexibility for formulations and enables mild cocamidopropylbetaine- and sulfate-free formulations. With its medium creamy foam, it leaves the skin feeling smooth and nourished. Especially suitable for normal skin, Glucotain® Flex is recommended for shower & bath products, liquid hand soaps, as well as facial cleansers.



DESCRIPTION

INCI Declaration	Lauroyl Methyl Glucamide
Origin	Coconut/Palm (RSPO)
Active concentration (%)	35
Appearance, at 25°C	Paste
Melting point, °C	32
Preservative	0.3% Dehydroacetic Acid, 0.3% Sodium Benzoate
pH	5.0 – 7.0
ECOTAIN®	Vegetable origin, 95% RCI (Renewable Carbon Index), GMO-free, RSPO certified Palm Oil, No eco-tox labeling under GHS



SENSORY

- Medium creamy foam
- Easy rinse-off
- Squeaky wet skin feel and nourished after feel



FEATURES

- Non-ionic surfactant with the thickening properties of an amphoteric surfactant
- Allows the formulation of a wide range of product formats
- Enables mild CAPB-and/or sulfate-free formulations



APPLICATIONS

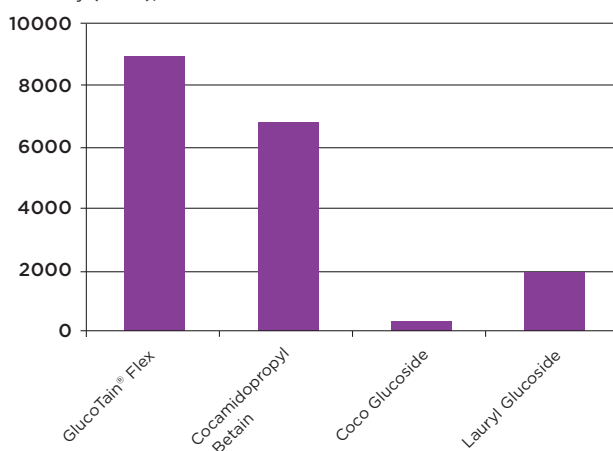
- Showers & baths, liquid hand soaps, facial cleansers, shaving soaps, syndets



TECHNICAL SPOTLIGHT

Non-ionic surfactant with the thickening properties of an amphoteric surfactant

Viscosity (mPas), 25° C



Test System: 10% SLES + 2% co-surfactant, thickened with 3% NaCl



GLUCOTAIN® CARE



Very rich foam
Caring after feel



Vegetable origin.
95% RCI.
RSPO certified.

Glucotain® Care is the most tender in our surfactant family. With its rich and creamy foam, it still remains easy to rinse off and leaves a gently conditioned and moisturized after feel. Especially suitable for sensitive and dry skin, Glucotain® Care is recommended for creamy shower and bath products as well as pampering facial cleansers.



DESCRIPTION

INCI Declaration	Cocoyl Methyl Glucamide
Origin	Coconut Oil
Active concentration (%)	40
Appearance, at 25°C	Paste
Melting point, °C	32
Preservative	0.3% Dehydroacetic Acid, 0.3% Sodium Benzoate
pH	5.0 – 7.0
ECOTAIN®	Vegetable origin, 95% RCI (Renewable Carbon Index), GMO-free, No eco-tox labeling under GHS



SENSORY

- Very rich and creamy foam
- Easy rinse-off
- Caring and moisturized after feel



FEATURES

- Pleasant, gentle skin conditioning effect
- Allows for formulations with less or without conditioning agents



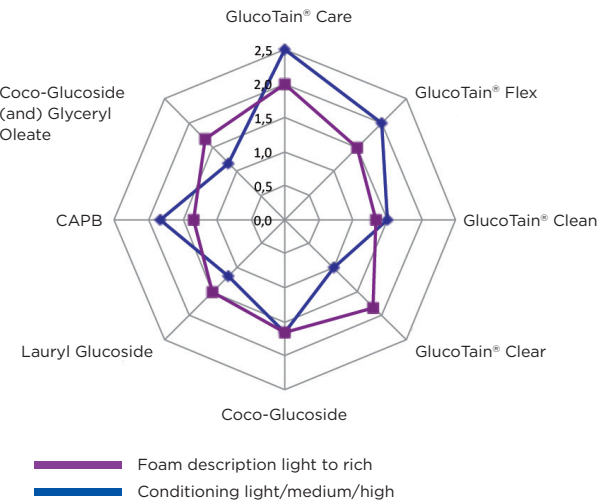
APPLICATIONS

- Cream showers & baths, caring liquid hand soaps, pampering facial cleansers



TECHNICAL SPOTLIGHT

Very rich and creamy foam with high conditioning



INSPIRING FORMULATIONS

Deep Cleanser Face & Body Wash

Ph.	Ingredient	INCI	As supplied
A	Water	Aqua	To 100
	Genapol® LRO liq	Sodium Laureth Sulfate	29.60
	GlucoTain® Clean	Lauroyl Methyl Glucamide (and) Ethanol	3.70
B	Fragrance Glacier	Fragrance	0.20
	GlucoTain® Clear	Capryloyl/Caproyl Methyl Glucamide	2.00
C	Citric acid 50%	Citric acid	Qs pH 5.5
D	Water	Aqua	4.00
	Sodium Benzoate	Sodium Benzoate	0.45
E	FD&C Blue 1	CI42090	0.001
F	NaCl	Sodium Chloride	3.00

Clear blue formula, pH 5.2, viscosity (sp 4, 20RPM): 5050 cps (60%)

- Add ingredients of phase A one after the other and stir until clear (100 rpm)
- In a separate beaker, combine ingredients of phase B and stir until clear (100 rpm)
- Add phase B to phase A and stir until clear (150 rpm)
- Adjust pH to 5.5 with phase C while stirring (150 rpm)
- In a separate beaker, combine ingredients of phase D and stir until clear (200 rpm) Add to mix
- Add phase E and stir slowly until homogenous (50 rpm)
- Adjust viscosity with phase F while stirring slowly (50 rpm)

Nourishing Mild Shower Gel (Sulfate-free)

Ph.	Ingredient	INCI	As supplied
A	Octopirox®	Piroctone Olamine	0.10
	Water	Aqua	10
B	Hostapon® SG	Sodium Cocoyl Glycinate	15.00
	Hostapon® SCI 85	Sodium Cocoyl Isethionate	4.40
C	Fragrance “Waterlilly”	Fragrance	0.50
D	Water	Aqua	To 100
	Sorbitol	Sorbitol	1.00
E	Genagen® CAB 818	Cocoamidopropylbetaine	15.00
	GlucoTain® Flex	Lauroyl Methyl Glucamide	13.00
	SalCare® Super 7	Polyquaternium 7	0.40
F	Lactic Acid	Lactic Acid	Qs to pH 7
G	Preservative	Preservative	Qs
H	Sodium Chloride	Sodium Chloride	0.50

Clear formula, pH 7, viscosity (sp 4, 20RPM): 4770 cps

- Disperse A, then add B and stir at approx. 50°C until the solution is clear (magnetic stirrer)
- Allow to cool down and add C, continue stirring until homogenous (magnetic stirrer)
- In a separate beaker, combine ingredients of phase D, stir until dissolved and add to other (magnetic stirrer)
- Add the components of E one after another and stir after each component until the solution is clear. (magnetic stirrer)
- Adjust the pH with F to 7.0 - 7.2.
- Add G to VI and homogenize (magnetic stirrer)
- Finally add H to VII and homogenize(magnetic stirrer).

Mild Hand Soap

Ph.	Ingredient	INCI	As supplied
A	Genapol® LRO liq	Sodium Laureth Sulfate	7,00
	Parfum (Fleur de Lotus)	Fragrance	0,50
B	Glycerin	Glycerine	1,50
C	Water	Aqua	To 100
	GlucoTain® Flex	Lauroyl Methyl Glucamide	2,00
D	Sodium Benzoate	Sodium Benzoate	0,20
	Sodium Benzoate	Potassium Sorbate	0,20
E	Citric Acid (50%)	Citric acid	To pH 5,5
F	NaCl	Sodium Chloride	2,00

Clear formula, pH = 5.5. Viscosity (20°C, 20rpm; Spindle 6): 4400 mPas

- Mix the components of A
- Add phase B to A and stir until solubilised (100 rpm)
- Add the components of C one after another to combined phase A + B (100 rpm)
- Dissolve components of D in combined phase A-C
- Adjust pH to 5.5 with phase E while stirring (100 rpm)
- Adjust viscosity with phase F while stirring slowly (50 rpm)

Luxurious Foam Essence (Facial Cleanser)

Ph.	Ingredient	INCI	As supplied
A	Water	Aqua	To 100
	Genapol® LRO liq	Sodium Laureth Sulfate	14.80
	GlucoTain® Care	Cocoyl Methyl Glucamide	5.00
B	GlucoTain® Clear	Capryloyl/Caproyl Methyl Glucamide	2.00
	Fragrance Blue Velvet	Fragrance	0.20
C	Citric acid (50%)	Citric acid	To pH 5
D	Water	Aqua	4.00
	Sodium Benzoate	Sodium Benzoate	0.45

pH 4.9, liquid solution with rich foam

- Add ingredients of phase A one after the other and stir in between until clear (100 rpm)
- Premix phase B and add to phase A while stirring (150 rpm)
- Adjust pH to 5 with concentrated citric acid while stirring (150 rpm)
- Dissolve sodium benzoate in water and add phase D to the mix while stirring (150 rpm)

CLARIANT INTERNATIONAL LTD
BU INDUSTRIAL & CONSUMER SPECIALTIES
Rothausstrasse 61
4132 MuttENZ
Switzerland

Commercial
Phone: +41 61 469 7451

Application Development
Phone: +49 69 305 18172

WWW.CLARIANT.COM

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. * Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.® Trademark of Clariant registered in numerous countries.

* For sales to customers located within the United States and Canada the following applies in addition:
NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY,
FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

