

GlucoTain Plus

# Technical Data Sheet

## GlucoTain Plus

**Mild, nonionic surfactant with excellent foaming and solubilizing properties for the cosmetic industry**

<b>Chemical name</b>	N-C8/10-acyl-N-methyl-glucamin and N-C12/14-acyl-N-methyl-glucamin
<b>INCI Name:</b>	Capryloyl/Caproyl Methyl Glucamide (and) Lauroyl/Myristoyl Methyl Glucamide

### Product properties <sup>1</sup>

<b>Appearance (20 °C)</b>	Clear yellowish liquid
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### Chemical and physical data

	<b>Specifiaction</b>	<b>Unit</b>	<b>Method</b>
<b>pH-value</b>	8.0 – 9.5		(10% as is in water)
<b>Active content</b>	approx. 50	%	
<b>Propylene Glycol</b>	approx. 5	%	
<b>Gardner Colour</b>	max. 5		
<b>Viscosity</b>	approx. 700	mPa*s	@ 20°C
<b>Density</b>	1.064	g/cm <sup>3</sup>	@ 20°C
<b>HLB</b>	approx. 12		Griffin

### Profile

<sup>1</sup> These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.

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Switzerland

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**Issue**  
May 2022

GlucoTain Plus is a mild surfactant with an excellent cleansing and wetting ability. When used as a surfactant it is especially suitable for formulations featuring light and abundant foam such as refreshing, vitalizing showers, hand washes, men showers and 2-in-1 shower & hair products.

GlucoTain Plus shows superior flash foam compared to other nonionic and amphoteric surfactants and is therefore especially suitable as primary surfactant in systems without anionic surfactant or sulfate free formulations with reduced anionic surfactant content. It can also be added as foam booster to standard formulations at level of 0.5 % active and above. In presence of Silicone oils it shows superior foam compared to standard systems based on Cocamidopropylbetaine.

GlucoTain Plus is also an excellent non-EO solubilizer.

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## **Mildness**

Glucotain surfactants (Glucamide) are amongst the mildest surfactants in the market. They are extremely mild to both skin proteins and skin lipids and are therefore very useful for formulations with mildness claims and for sensitive skin and hair.

## **Compatibility**

GlucoTain Plus is miscible with all types of surfactants (anionic, non-ionic, cationic and amphoteric).

Shampoos, shower gels and liquid soaps with very good skin tolerability can be produced by combining GlucoTain Plus with primary foamers like Sodium Lauryl Sulfate, Sodium Laureth Sulfate, Sodium Cocoyl Isethionate or Sodium Cocoyl Methyl Taurate. Formulations with GlucoTain Plus can be thickened with salt and all types of natural and synthetic polymers.

GlucoTain Plus is especially suitable for formulations with Sodium Lauryl Sulfate or Ammonium Lauryl Sulfate as primary surfactant, as it improves the cold cloud point of these formulations and at the same time improves foam.

## **Solublizing properties**

GlucoTain Plus is an excellent non-EO solubilizer. Especially for terpenoides and preservative actives it shows better results than other non-EO solubilizers.

## **Use Level**

A use level of 0.6 % to 6 % as solubilizer (0.3 to 3 % active) and performance enhancer is recommended. Foam boosting is achieved already with levels of 0.5 –1.0 % active surfactant.

## **Formulation advice**

GlucoTain Plus can be added to any step of the process.

## **Preservation**

No preservative is added to GlucoTain Plus.

## **Safety**

Please see Material Safety Data Sheet before handling the material.

## **Storage and Shelf Life**

GlucoTain Plus can be stored at room temperature. Further detail can be found in the Material Safety Data Sheet.

## **Packaging**

Roadtanker, 1000 L IBC and 200 L polyethylene drums.

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