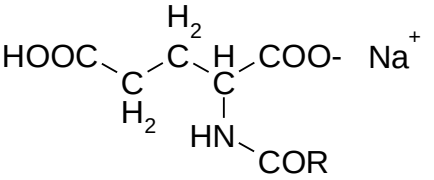
CLARIANT

HOSTAPON CCG

Technical Data Sheet

HOSTAPON CCG

HOSTAPON CCG is a mild anionic surfactant for the detergent industry

Chemical name	N-COCOYL GLUTAMIC ACID DISODIUM SALT
INCI Name:	**Sodium Cocoyl Glutamate**
	(for INCI declaration in formulations at pH <8)
	Disodium Cocoyl Glutamate (as delivered)
Chemical structure	

Product properties [1]

Appearance (20°C)	yellowish, clear to slightly cloudy, liquid

Chemical and physical data

Odour	Weak
Dry matter	36 - 39 %
Active matter	Min 30.5 %
Hazen color	Max 150
pH value [20°C; as is]	9.5 - 10.5

[1] 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.

Publisher
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4132 Muttenz
Switzerland

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Issue
April 2022

Profile

Surface activity

HOSTAPON CCG shows marked surface and interfacial activity. Above that critical micelle concentration (CMC about 0.17 g/l), surface tension is reduced to values below 30 mN/m.

Foaming behaviour

HOSTAPON CCG has very good foaming behaviour, particularly in the acid range. Maximum foaming is obtained in the region of pH 5.

Very good foaming values are obtained in the pH range 4 - 7.

In formulations, HOSTAPON CCG improves the overall foam structure.

Formulation Example

Performance boost can be observed by adding little amounts of HOSTAPON CCG to e.g. manual dishwashing formulations:

Formulation Example I

	Plate Test **IKW II - Grease**	
Recipe (% a.i.)	**Base**	**HOSTAPON CCG**
Sodium Laureth Sulfate	10	7
Cocamidopropyl Betaine	3	3
GlucoPure Foam	3	3
Mild, non-ethoxylated anionic surfactant	-	3
Total active matter (%)	16	16
Number of washed plates	**19**	**21**

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Very mild formulations and Ecocert compliant formulations can be created using HOSTAPON CCG:

Formulation Example II

Procedure:

a. Solubilize Sodium Lauryl Sulfate in water
b. Add HOSTAPON CCG to the mixture and stir
c. Mix in Betaine and homogenize
d. Add Glucopure Foam AP to the mixture and stir until homogenized (cold process). To speed up the process, up to 35°C heat can be applied.
e. Add dye, preservatives or perfume as desired and adjust pH & viscosity to target level

Ingredient	**% Active**
Sodium Lauryl Sulfate	5.0
HOSTAPON CCG	2.0
Cocamidopropyl Betaine	2.5
Glucopure Foam AP	2.5
Sodium Chloride	1.5
pH	6.0
Viscosity	~ 1800 mPas
Renewable Carbon Index	91 %
Number of washed plates	**18**

Viscosity in mixtures with other surfactants

As a co-surfactant in surfactant formulations, HOSTAPON CCG shows a slight viscosity-reducing effect. But in mixtures with GENAPOL LRO (Sodium Laureth Sulfate) and with the addition of commonly used consistency modifiers or thickening surfactants like GLUCOPURE Sense acceptable sodium chloride contents are easily obtained.

Low temperature properties

At room temperature (20 - 25°C), HOSTAPON CCG is a clear to slightly hazy liquid. At temperatures below +5°C, this turbidity can increase and in some cases is accompanied by the formation of sediment.

At temperatures around +40°C, this effect is reversible.

Safety

Further information on handling, storage and dispatch is given in the material safety data sheet.

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