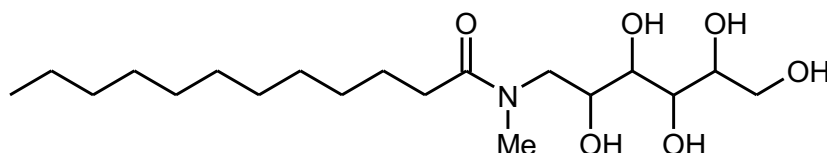


Glucamides – A new platform of sugar-based Surfactants

Corinna Nimphius, Franz Xaver Scherl, Klaus Raab, Peter Klug

Clariant International Ltd, Hardstraße 61, 4133 Pratteln, Switzerland;
Clariant Produkte (Deutschland) GmbH, Industrieparkstraße 1, 84508 Burgkirchen, Germany,
corinna.nimphius@clariant.com

The global consumer market trends - Convenience, Well-Being, Economy and Sustainability - are key triggers for new surfactant developments. In line with its strategic pillars “Foster Innovation and R&D” and “Add value with Sustainability” Clariant has developed a new range of Glucamide surfactants which deliver outstanding performance profiles. Glucamides are well known since many years, but did not find broad application in the past mainly due to lack of commercial availability. Nowadays Clariant’s Glucamides offer a new bio-based surfactant platform showing several benefits compared to commercially available sugar-based surfactants like alkyl polyglycosides or sorbitan esters. Six different grades of Glucamides have been scaled up from laboratory via pilot plant to full production scale.



Clariant offers these sugar-based surfactants especially developed for several application fields, for example Personal Care, Industrial and Home Care as well as Crop Solutions. The renewable products reveal very good cleaning performance, high mildness, excellent sensorial benefits and outstanding thickening properties.

[1] Sustainability Report 2015, Clariant

[2] Y.-P. Zhu, M. J. Rosen, P. K. Vinson, S. W. Morrall, *J. Surf. Deter.* **1999**, 2, 357-362.

[3] J. J. Scheibel, D. S. Connor, R. E. Shumate, J. C. T. R. B. St. Laurent, EP0558515 (B1),
Priority: **1990**.