

Technical Data Sheet

Glucopon® 420 UP

January 2019 | Supersedes issue dated December 2018

Glucopon® 420 UP is an aqueous solution of alkyl polyglucosides based on a natural fatty alcohol C₈ – C₁₆, free of preservatives.

Example of use

Glucopon® 420 UP is an alkyl polyglycoside surfactant that provides excellent detergency and processing benefits in a variety of cleaning products. It exhibits superior wetting, dispersing and interfacial tension reductions properties for increased soil removal. Glucopon® 420 UP is made from renewable raw materials – glucose derived from corn, and fatty alcohols from coconut and palm kernel oils, due to its natural chemistry, Glucopon® 420 UP is very mild and readily biodegradable. Glucopon® 420 UP is especially effective in hard surface cleaner applications because it is non-streaking on glossy surfaces and non-corrosive to synthetic surfaces.

Unlike typical nonionic surfactants, Glucopon® 420 UP is highly soluble in concentrated electrolyte solutions and will hydrotrope other less soluble ingredients.

Glucopon® 420 UP has the wetting, penetrating and detergency properties desired for hard surface cleaning products designed to clean surfaces, such as glass, ceramic, plastic and metal. In liquid hard surface cleaners, Glucopon® 420 UP acts as a hydrotrope to solubilize other ingredients. Further hard surface cleaning benefits are non-streaking, non-filming and non-stress cracking of cleaned surfaces, as well as low toxicity.

Glucopon® 420 UP is ideally suited for used in a variety of I&I liquid cleaning systems, especially laundry and hard surface applications. Caustic stability, builder compatibility, detergency and hydrotrope properties combine to offer the formulator greater flexibility and better cost performance. In addition to these unique performance characteristics,

Glucopon® 420 UP is self-preserved and contains no added preservatives. The turbidity of the product is attributable to a combination of its magnesium oxide content (max. 500 ppm magnesium) and the high pH value at which it is supplied. This turbidity has no negative effects on the products properties and disappears when the pH is adjusted down to the neutral pH range.

Shelf Life:

BASF will endorse the results on the certificate of analysis for a period of up to three years from the date of manufacture for material in original, unopened, properly stored containers. Beyond three years, we recommend the quality of the material be confirmed prior to use, by retesting the certificate of analysis parameters.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

Specifications	
CAS No	110615-47-9 68515-73-1
Active matter, %	48.0 – 52.0
Ash, %	≤ 3.0
Solid matter contents, %	48.0 – 55.0
pH (10% in 85/15 DI H ₂ O/IPA)	11.50 – 12.50
Typical Characteristics	
Color	Slight off-white to yellow
Appearance	Uniform to layered; clear on top to settled haze on bottom. Settling progresses over time with no effect on the product.

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