

Technical Bulletin

Glucopon® 600 UP

150 years



Glucopon® 600UP is an aqueous solution of alkyl polyglucosides C10-C16 and is free of preservatives.

The INCI name is lauryl/myristyl glucoside.

Example of use

Glucopon® 600UP is a nonionic surfactant that provides superior performance by combining the formulation ease of typical nonionics with the foam characteristics of anionics. Glucopon® 600UP alkyl polyglycoside surfactant provides excellent detergency and processing benefits in a variety of cleaning products. It exhibits superior wetting, dispersing and interfacial tension reduction properties for increased soil removal and emulsification.

Unlike typical nonionics, Glucopon® 600UP is highly soluble in concentrated electrolyte solutions and will hydrotrope other less soluble ingredients. In addition, Glucopon® 600UP is made from renewable raw materials, ex, glucose derived from corn, and fatty alcohols from coconut and palm kernel oils. Due to its natural chemistry, Glucopon® 600UP is very mild and readily biodegradable.

Glucopon® 600UP is well suited for laundry applications, where micellar solubilization, emulsification and detergency are required. This alkyl polyglycoside surfactant functions like a conventional nonionic surfactant but is easy to formulate because it does not exhibit a gel phase upon dilution. Glucopon® 600UP is soluble and stable in liquid formulations containing high levels of builders and electrolytes. Also, Glucopon® 600UP is compatible, and in some cases, synergistic, with enzymes, optical brighteners and other surfactants, including cationics. In products such as liquid hand dish detergents, where high foaming and good detergency are required, Glucopon® 600UP provides excellent performance coupled with outstanding mildness to skin.

Glucopon® 600UP is ideally suited for use in a variety of I&I liquid cleaning systems, especially in laundry and hard surface

applications. Caustic stability, builder compatibility, detergency and hydrotrope properties combine to offer the formulator greater flexibility and better cost performance. Glucopon® 600UP is a hazy solution at temperatures above 35°C. Below this temperature, there is a tendency to build viscosity and to slowly crystallize. For long term storage in tanks, a temperature range of 38 - 43°C should be maintained for ease in handling and to avoid crystallization. Prolonged heating of over 43°C should be avoided as this can cause discoloration of the material.

Typical Properties	
Active, %	48.0 – 52.0
Color, Gardner	<=3.0
pH, 10% solution (85/15 of DI water/ IPA)	11.5 – 12.5
Ash,%	<= 3.0

Storage and transportation

BASF will endorse the results on the certificate of analysis for a period of two years from the date of manufacture for material in original, unopened, properly stored containers. Beyond 2 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.

When warming drums, BASF recommends not exceeding 120°F for more than 4 hours and the drums be single stacked while in the heating unit. If double stacking in the heating unit is absolutely necessary add a piece of ½" plywood between the pallets in the stack. We also recommend ensuring the drums do not overhang the pallet during heating or storage.

Glucopon is a registered trademark of BASF Corporation.

For More Information:

Order Placement: To place orders for delivery in the United States or Canada please call our toll free number (800) 443-6460.

For Other Information: Including product literature and Material Safety Data Sheets please call (734) 324-6101.

Or Visit Our Website At: www.performance.basf-corp.com

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