

General characterisation

Chemical description

Aqueous solution of alkyl polyglucosides based on natural fatty alcohol C8-C10

Ingredient information

Ingredient	CASR-No.	Other registrations
Caprylyl/Decyl Glucoside	68515-73-1	Approved surfactant by Swedish Society for Nature Conservation / Bra Miljöval

Officially listed in / Quality conforms to

Bra Miljöval: approved for use in products eco-labelled "Good Environmental Choice"

Product properties

Appearance

Brownish, clear and viscous liquid.

Example of use

GLUCOPON® 225 DK is a nonionic surfactant that provides superior performance by combining the formulation ease and compatibility of typical nonionics with the solubility and foam characteristics of anionics. GLUCOPON® 225 DK alkyl polyglycoside surfactant provides excellent hard surface detergency and processing benefits in a variety of cleaning products. It exhibits very good wetting, dispersing, and surface tension reduction properties for increased soil removal and emulsification. Unlike typical nonionics, GLUCOPON® 225 DK is extremely soluble in concentrated alkaline / electrolyte solutions and will effectively hydrotrope other less soluble ingredients. In addition to these unique performance characteristics, GLUCOPON® 225 DK is made from renewable raw materials – glucose derived from corn, and fatty alcohols from coconut and palm kernel oils. It may also be used as a coupling agent in high caustic or high electrolyte solutions.

Due to its natural chemistry, GLUCOPON® 225 DK is very mild, low in toxicity, and readily biodegradable.

Industrial and Institutional (I&I) Cleaners: GLUCOPON® 225 DK is ideally suited for use in a variety of I&I liquid cleaning systems, especially hard surface applications. Excellent caustic stability, builder compatibility, detergency and hydrotrope properties combine to offer the formulator greater flexibility and better cost performance.

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Odor evaluation versus standard	corresponds to the standard	
Visual appearance versus standard	corresponds to the standard	
Water	28 - 32 %	ISO 4317
Active matter	68,0 - 72,0 %	Q-C 2926.0 (100 % - % water)
pH value (10 % AS)	6,0 - 9,0	ISO 4316 (H ₂ O/IPA 85:15)

Additional product descriptive data

(Data which is proven statistically but not determined regularly.)

Fatty alcohol (free)	<= 1,0 %	Internal Method 96011701
Ash	<= 1,0 %	Internal Method 95014901

Storage and transportation

Shelf life

24 months

Storage temperature

< + 40 °C Store frost-free.

Storage conditions

In original sealed containers and protected from moisture.

Additional information

Material – carbon steel should not be used to store or handle GLUCOPON® 225 DK due to probable contamination by iron. Recommended alloys include 304SS and CF8M, the cast equivalent of 316SS often used to make threaded fittings. Alloys of higher nickel, chrome and molybdenum content are also acceptable.

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