



## Product Data Sheet

# PLANTAREN® 1200 N UP

### General characterisation

#### Chemical description

C12-16 fatty alcohol glycoside

### Labeling information

#### INCI name(s)

Lauryl Glucoside

### Registrations

Ingredient	CASR-No.	EINECS/ELINCS-No.
	110615-47-9	

### Officially listed in / Quality conforms to

### Product properties

#### Appearance

Hazy pale yellow viscous liquid

#### Example of use

PLANTAREN® 1200 N UP is a highly active nonionic surfactant containing no solvents or hydrotropes. It is recommended as a co-surfactant in shampoos, shower gels, and bubble bath formulations where mildness is required. When PLANTAREN® 1200 N UP is used in conjunction with difficult-to-thicken surfactants, such as sulfosuccinates, it enhances viscosity build-up and increases foam volume in low-foaming formulations. Furthermore, PLANTAREN® 1200 N UP enhances the deposition of cationic polymers from shampoo formulations, which can improve the conditioning effect. It is compatible with all other classes of surfactants including cationic ingredients.

SPECIAL FEATURES:

PLANTAREN® 1200 N UP is an alkyl polyglycoside surfactant prepared by reacting cornstarch glucose with a C12 – C16 natural fatty alcohol. Due to its natural chemistry, PLANTAREN® 1200 N UP is very mild, low in toxicity, and readily biodegradable.

PLANTAREN® 1200 N UP is self-preserved at an elevated pH level (11.5-12.5). 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.

## 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.)

Actives, %	48.00 - 52.00
Ash, %	3.00 max.
Color, Gardner	3 max.
pH, 10% Solution*	11.50 - 12.50
Solids, %	48.00 - 55.00

(\* pH of a 10% solids solution using a 85/15 DI water / IPA mixture)

### Additional product descriptive data

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

## Storage and transportation

PLANTAREN® 1200 N UP can be stored in sealed original containers protected from frost and below 40°C for at least 2 years.

PLANTAREN® 1200 N UP is a hazy solution at temperatures above 35°C. Below this temperature there is the tendency to build viscosity and to slowly crystallize. For longtime storage in tanks, a temperature range of 38 - 43°C should be maintained for ease for handling and to avoid crystallization.

Maximum Storage Temperature - recommended maximum storage temperature of PLANTAREN® 1200 N UP is 43°C. When heating, avoid prolonged localized temperatures exceeding 43°C to avoid possible product discoloration. Use tempered water when possible. Low pressure steam is acceptable if the product is monitored regularly.

PLANTAREN® 1200 N UP is soluble in water and biodegradable. Spills and residues can be cleaned up with water.

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