



## GreenAPG 0810

### General characterization

#### Chemical description

Name: C8-10 alkyl polyglycoside

Surfactant Type: Nonionic

#### Labeling information

INCI name(s): Caprylyl/Capryl Glucoside

#### Registrations

Ingredient	CAS-No. 68515-73-1	EINECS/ELINCS-No. No longer polymer
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#### Benefits

- ◆Mild
- ◆Rich and stable foam
- ◆Readily biodegradable
- ◆Superior detergency and wetting property
- ◆Good compatibility with other types of surfactants

#### Product properties

##### Appearance

GreenAPG 0810 is a pale yellow, slightly cloudy liquid.

##### Applications

GreenAPG 0810 is a nonionic surfactant made from renewable vegetal raw materials – glucose and fatty alcohols derived from plants. Its superior properties include: surface tension reduction, detergency, wetting, dispersing and compatibility, especially foaming property. It also exhibits excellent alkaline and electrolyte resistance and can solubilize other ingredients.

Unlike typical nonionic surfactants, GreenAPG 0810 is highly soluble in concentrated alkaline solution and electrolyte solutions, and will hydrotrope other less soluble ingredients.

GreenAPG 0810 is low toxic, very mild and readily biodegradable. It can be widely used in personal care and household cleaners: day cream, night cream, body cream & lotion, shampoo and hand cream, etc.

GreenAPG 0810 is a good choice for I&I cleaners, especially for hard surface cleaning and processing because it is non-streaking on glossy surface and non-corrosive to synthetic surfaces.

GreenAPG 0810 can be formulated in bubble water as a foaming agent.

## Characteristic values

The specifications herein state the "Quality Control Data" which is certificated for each batch and "Additional product descriptive data" which is proven statistically but not determined regularly.

### Quality control data

ITEM	Spec Limit	Test Method
Solid content (%)	50.0-52.0	GB/T 19464(5.4)
Water (%)	48.0-50.0	100%-%Solid matter
pH value (10% aq.)	11.5-12.5	GB/T 6368
Viscosity (mPa·s, 20°C)	200-600	GB/T 15357
Free fatty alcohol (%)	<1.0	GB/T 19464(5.7/A)
Sulfate ash content (%)	<3.0	GB/T 19464(5.6)
Color, Hazen	<50	GB/T 3143

### Additional product descriptive data

ITEM	Spec Limit	Test Method
Density (g/cm <sup>3</sup> , 25°C)	1.07-1.11	GB/T 7379
DP value	1.3-1.5	GB/T 19464(5.7/A)

## Storage and transportation

GreenAPG 0810 can be stored in original unopened containers at the temperature below 40 °C for at least two years. There may be sedimentation depending on storage time. In this case, the product should be heated and stirred until uniform before using.

Due to the presence of magnesium oxide (max. 100ppm) and the high pH value, sedimentation (settling of MgO) may occur which has no negative effects on the product quality. The product should be stirred until uniform before use.

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