

# GLUCOSIDE 225DK

INCI **Caprylyl/Capryl Glucoside**  
 CAS **68515-73-1**

## SPECIFICATIONS

Appearance	Dark viscous liquid
Active content (%)	68 – 72
pH (10% aq. sol.)	6 – 9
HLB	5
Viscosity (mPas 40°C) □	3500 - 7000
Preservative	None

## GENERAL INFORMATION

Glucoside 215DK is an Alkyl Polyglucoside (APG), non-ionic surfactant widely used as a primary or basic surfactant as well as a co-surfactant in the formulation of cosmetic products declared as "natural".

Glucoside 215DK, as the other APGs, provides superior performance by combining the formulation ease of typical non ionics with the foam characteristic of anionics.

With excellent detergency and processing benefits in a variety of cleaning products, Glucoside 215DK exhibits superior wetting, dispersing and interfacial tension reduction properties for increased soil removal and emulsification.

Alkyl Polyglucosides represent the newer class of Polyethylene glycol (PEG)-free surfactants, completely biodegradable and produced from renewable resources.

Caprylyl Capryl Glucoside can also be used as a primary hydrophilic emulsifier in cold type O / A creams and milks, often coupled with a 4:1 ratio lipophilic emulsifier or in hot emulsions with waxy consistency factors and as a solubilizer for small percentages of oily substances especially in detergent formulas.

## REGULATORY

ECOCERT/COSMOS	Approved
NATRUE	Allowed
RSPO	Certified

## FORMULATION & RECOMMENDATIONS

Caprylyl Capryl Glucoside is water soluble and stable over a wide pH range. As a boundary surfactant it is usually used in a 2:5 ratio with the primary anionic surfactant to improve the texture and foaming of the finished product.

As a liquid it can be used in cold-processed recipes, however, can also be heated in the heated water phase if needed. Avoid vigorous stirring/agitation to work up too much lather.

### Dosage level

Recommended concentration	0.5 – 2.0% us co-surfactant 2.0 – 5.0% us solubilizer
Solubility	water

## BENEFITS

- Mild
- Soluble in highly alkaline solutions
- Readily biodegradable
- Good detergency and wetting properties
- Compatible with anionic, cationic and other non-ionic surfactants
- Good hydrotropic and solubilising properties
- Compatible with strong acids

## APPLICATIONS

### Cosmetics

- Skin care
- Sun care
- Baby care
- Hair care
- Toiletries
- Make-up

### Fragrances

### Pharmaceuticals

### Natural extracts

## PACKAGING & SHELF LIFE

### Available packaging

200 kg Drums / 1000 kg IBC

### Shelf life

12 months under proper storage conditions

