



Glucoside 215

INCI Caprylyl/Capryl glucoside
CAS 68515-73-1

SPECIFICATIONS

Appearance	Colorless to light yellow liquid
Active content (%)	60 – 62
pH (10% aq. sol.)	11.5 – 12.5
HLB	15
Viscosity (mPa.s at 40°C)	1000 - 1500
Preservative	None

GENERAL INFORMATION

Glucoside 215 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 215, as other APG’s, 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 215 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.

FORMULATIONS & 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.

Recommended use concentration

0.5 – 2.0% as co-surfactant

2.0 – 2.0% as solubilizer

Solubility

soluble in 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 solubilizing properties
- Compatible with strong acids

REGULATORY

ECOCERT/COSMOS
NATRUE
RSPO

Approved
Allowed
Certified

APPLICATIONS

Fragrances
Pharmaceuticals
Natural extracts

Cosmetics

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

SHELF LIFE

48 months under proper storage conditions