

TEGO® Pearl N 300

Cold processable, highly concentrated pearling agent for shampoos, shower and bath preparations etc.

Intended use

Pearlizing agent

Benefits at a glance

- very white, brilliant pearl effect
- low usage level
- effective, because of its high optical density
- liquid, pumpable
- vegetable based raw material
- thickening properties

INCI (PCPC name)

Glycol Distearate; Laureth-4;
Cocamidopropyl Betaine

Chemical and physical properties (not part of specifications)

Form	liquid
Preservative	Sodium Benzoate

Properties

TEGO® Pearl N 300 is a homogeneous viscous fluid and is intended for cold mixing/processing. It may be combined with most surface active substances and does not effect cosmetically active components.

The particles in EGDS pearl concentrates appear to have a similar density as any EGDS based pearl concentrate. The best density range of a final

product, providing lowest sedimentation rate, is approx. 1.018 to 1.034 g/ml.

Application

TEGO® Pearl N 300 is a fine-particled dispersion of ethylene glycol distearate in an aqueous surfactant solution. It is used as a cold processable pearling agent in shampoos, shower and bath preparations and for other pearled formulations.

A sufficient pearl effect is already achieved at low concentrations of 0.3% pearl concentrate. TEGO® Pearl N 300 may exhibit thickening properties.

Preparation

TEGO® Pearl N 300 is mixed with all other ingredients. Mixture is stirred, until it is homogeneous. A very low viscosity in the final product may result in a gradual separation of TEGO® Pearl N 300, which will settle to the bottom. In such cases suitable thickening agents (e.g. ANTIL® types) should be used to adjust the viscosity.

Recommended usage concentration

0.3 – 3.0% TEGO® Pearl N 300

Packaging

800 kg pallet (4 x 200 kg drum)

Storage

TEGO® Pearl N 300 can be stored in unopened containers at temperatures between 5 °C and 35 °C.

TEGO® Pearl N 300 tends to cloudiness and crystallization after storage time. This is reversible and has no negative influence on the quality. Short stirring will provide adequate homogenization.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guideline formulations

Mild Shower Gel 6.2.2/1000239	
TEGOSOFT® PC 31 (Polyglyceryl-3 Caprate)	1.00%
Sodium Laureth Sulfate (28%)	22.00%
REWOPOL® SB FA 30 B (Disodium Laureth Sulfosuccinate)	12.00%
Water	50.95%
Panthenol	0.50%
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide; Inositol; Sodium Benzoate; Lactic Acid)	1.00%
TEGO® Betain F 50 (Cocamidopropyl Betaine)	8.00%
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	1.50%
ANTIL® 120 Plus (PEG-120 Methyl Glucose Dioleate)	0.25%
TEGO® Pearl N 300	2.00%
Preservatives	q.s.
Preparation: Mix the ingredients in the given order.	

Conditioning Shampoo	
6.3.5/1000215	
Water	48.5%
ABIL® Quat 3272 (Quaternium-80)	0.6%
Sodium Laureth Sulfate (28%)	30.0%
REWOTERIC® AM C (Sodium Cocoamphoacetate)	30.0%
REWOPOL® SB CS 50 B (Disodium PEG-5 Laurylcitrate Sulfosuccinate; Sodium Laureth Sulfate)	6.0%
Citric Acid (30%)	1.8%
ANTIL® 120 Plus (PEG-120 Methyl Glucose Dioleate)	0.2%
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	2.5%
NaCl	0.4%
TEGO® Pearl N 300	2.0%
Preservatives	q.s.
Preparation:	
Mix the ingredients in the given order. Adjust the final viscosity to pH 5.5 with citric acid.	

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