



CosmoSurf® DDG-28

Derived from natural raw materials (coconut oil, glucose and fatty acids), DDG-28 is a complex ester system that provides exceptional dispersing properties, SPF enhancement properties, and is a primary film former with enhanced skin sensory benefits.

This Natural Material.

CosmoSurf® DDG 28 is a complex ester, designed specifically for pigmented formulations that require a primary dispersant, with film formation properties and the added functionality of SPF boosting for broad spectrum performance. This Complex ester system utilizes a branched ester to disperse pigments in a uniform manner to enhance the dispersion processing parameters and stability. In addition, the CosmoSurf® DDG 28 offers substantive film forming properties for retention of target ingredients for water-resistant claims. This unique, natural based polymer will help reduce the surface tension profile of select oils allowing the formulations to achieve superior sensory attributes which are ideal for facial applications. The CosmoSurf® DDG-28 is the ideal, natural based, multi-functional polymer for all pigmented formulations that won't compromise the desired skin feel performance the consumer demands.

Naturally derived, biodegradable dispersant, SPF booster and film former with exceptional skin feel for pigmented formulations.

Primary Dispersant & Film Former

INCI:

Bis-Dodecylhexyldecyl Dimer
Dilinoleate/Propanediol
Copolymer

Key properties:

- natural, green replacement to synthetic dispersant's for use with treated and untreated pigments.
- Use to develop natural based film forming properties with exceptional skin feel
- Increases SPF performance versus traditional dispersant's.

Suggested use:

Pigmented facial formulations requiring a soft, silky spread, with broad spectrum requirements. Zinc Oxide formulations with enhanced SPF properties..
Pigmented formulations with superior dispersion properties.

For more information,
contact us at ctarletsky@surfatech.com
for ingredient supply and customized consulting

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CosmoSurf® DDG-28

Natural film forming polymeric dispersant for pigmented formulations

Dispersion Viscosity Profile: In comparison to benchmark dispersant

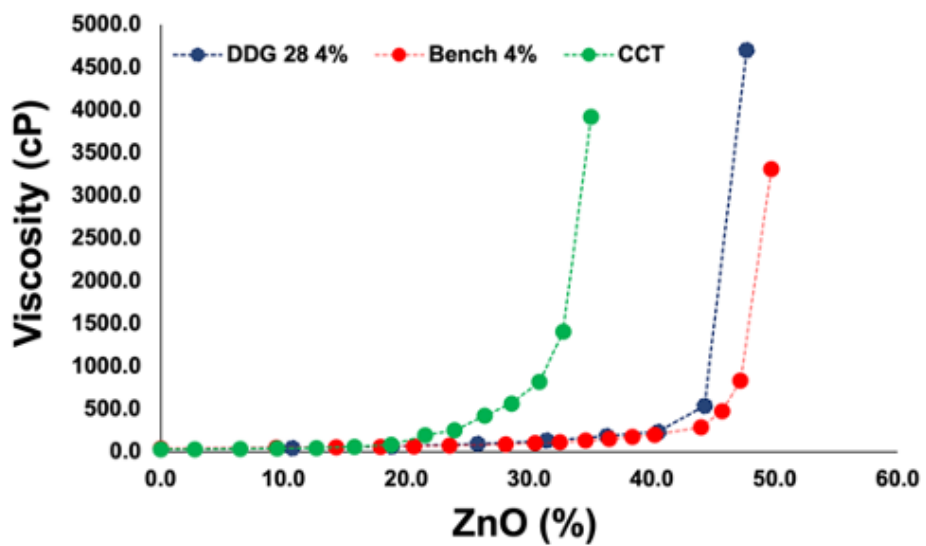
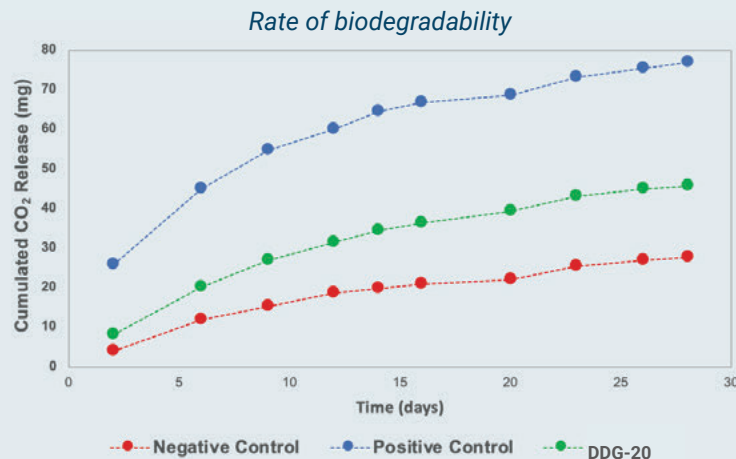


Figure 1. Viscosity curve of ZnO in C8-10 triglyceride and C8-10 triglyceride with 4 % benchmark (red) and DDG 28 (blue)

SurfaTech is committed to creating microplastic free, coral reef safe, biodegradable ingredients using patented molecular technology.



It is our belief that our responsibility is to protect the environment for future generations. We accomplish this by producing green materials. We believe the path to a greener tomorrow moves away from non-green plastics (polyacrylates, polyethylene, PEG, ect.) to high-functioning polymers which are naturally derived and made from renewable resources without catalyst or solvents.

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