



BioMimics, LLC

www.biomimicsusa.com

Biobased Polymeric Emulsifiers

PRODUCT/SERVICE BACKGROUND INFORMATION

BioMimics, LLC, founded in 2018, aims to enable cosmetic formulators provide society with safe, functionally meaningful, and sustainable products. We make multifunctional sugar-based polymers derived from renewable resources and deliver the goodness of nature to consumers. To achieve multifunctionality, sugar and sugar-derived monomers are molecularly assembled along with other sustainably sourced ingredients in unique combinations to build novel polymers using “green-chemistry” principles.

Our focus is biobased and biodegradable polymeric dispersants and emulsifiers for cosmetics and skincare applications.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

BioMimics is launching its biobased polymeric dispersants and emulsifiers under the tradename **SugarSurf**. SugarSurf 6000 and SugarSurf 6020 are poly(glyceryl tartrate) based surfactants and emulsifiers. They can be used as drop-in replacements for poly(ethylene glycol) (PEG) based surfactants.

We are also excited to offer the co-development of custom sugar polymers using our **SugarMer** technology. We can help your actives be incorporated into sugary polymer systems based on our patent pending platform technology for developing stable and efficacious delivery cosmeceutical systems.

HOW WILL THIS NEW PRODUCT/SERVICE IMPACT THE INDUSTRY (BENEFITS)?

SugarSurf 6000 and SugarSurf 6020 offer formulator alternatives to PEG-based emulsifiers and surfactant options that comply with regulations and consumer concerns. While the glyceryl-tartrate repeat units in SugarSurf is functionally like the ethylene oxide repeat units of PEG surfactants in providing the desired hydrophilicity, our surfactants offer the benefits of being safe and providing added benefits, such as:

- 1) α -hydroxy acid-based co-surfactants
- 2) Upcycled ingredients: glycerin and tartaric acid
- 3) Doubles as a mild exfoliant and humectant
- 4) Non-irritating to normal skin
- 5) Stable and efficacious at skin pH (4-6)
- 6) 1,4-dioxane free