



Product Data Sheet

Rev. 4/11

SYLVACLEAR™ PE1800V Specialty Polymers

INCI Name: Polyamide-3

SYLVACLEAR™ PE1800V is a partially vegetable derived rheology modifier for formulation with low to high polarity organic liquids for cosmetic and personal care applications.

Features	Benefits
Medium bio-based content	Sustainable, only partially petroleum derived
Gels low to high polarity liquids	Unique feel, shear thinning, excellent payout
Forms gelled oil-in-water and water-in-gelled oil emulsions that are pH insensitive	Surfactant free formulations with low skin irritation
Can include large amounts of silicones in formulations	Allows a wide range of actives and high salt tolerance
Higher molecular weight, functional polymer	Stabilizes pigments, can make hard to stabilize ingredients compatible

Applications

Can be used to make solid gels of medium polar organic liquids such as emollient esters, glycols, alcohols and polar surfactants. Can be used to form stable, aesthetically pleasing, gelled oil-in-water or water-in-gelled oil emulsions. It has the widest compatibility range of the specialty polymeric gellant product line.

Typical Properties

Bio-based (non-petroleum carbon) content, %	58
Softening Point °C, Cup & Ball	99
Color, Gardner	3
Acid Number	6
Amine Number	<1

CASRN	1093268-29-1
Packaging	Resin is available in pastille form in fiber drums, 60 lbs net.
Handling & Storage	Resin is soft at room temperature, compaction may occur during storage. To minimize, the resin should be stored in closed drums at room temperature or below.



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