



Product Data Sheet

Rev. 4/11

SYLVACLEAR™ WF1500V Specialty Polymers

INCI Name: Polyamide-4

SYLVACLEAR™ WF1500V is a partially vegetable derived rheology modifier for formulation with high polarity organic liquids and water for cosmetic and personal care applications.

Features	Benefits
Medium bio-based content	Sustainable, only partially petroleum derived
Gels medium to high polarity liquids	Unique feel, shear thinning, excellent payout
Forms oil-in-gelled water emulsions (in the presence of a polar organic liquid) without the need for surfactants	Surfactant free formulations with low skin irritation
Forms oil-in-gelled water emulsions that are pH insensitive	Allows a wide range of actives and high salt tolerance
Higher molecular weight, functional polymer	Stabilizes pigments, compatibilises hard to stabilize ingredients

Applications

Can be used to make solid gels of higher polarity organic liquids such as emollients, alcohols, esters, surfactants and glycols. Can be used to form stable oil-in-gelled water emulsions using water and a polar organic liquid such as ethanol, butylene glycol or polypropylene glycol without the need for surfactants.

Typical Properties

Bio-based (non-petroleum carbon) content, %	59
Softening Point °C, Cup & Ball	93
Color, Gardner	3
Acid Number	9
Amine Number	1

CASRN	1093268-37-1
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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