



Product Data Sheet

Rev. 5/11

SYLVASOL™ 80 Specialty Polymer

INCI Name: Polyamide-3

SYLVASOL™ 80 is a partially vegetable derived polymer for use as a film former. It is especially suitable for continuous, anhydrous ethanol based sunscreen sprays.

Features	Benefits
Medium bio-based content	Sustainable, over 50% bio-based
Hydrophobic polymer	Imparts water repellency to formulation
High softening point, low Tg	Forms films with low tack, no balling or flaking when dry
Amorphous polymer	Compatible with UV actives

Applications
Can be melted in the oil phase with UV filters and incorporated into continuous spray ethanol based sunscreens
Imparts water repellency and actives retention from formulations while maintaining skin feel, positive aesthetics and low gloss.
Polymeric film helps to improve retention of fine fragrances on skin.

Typical Properties	
Bio-based (non-petroleum carbon) content, %	58
Softening Point °C, Cup & Ball	97
Color, Gardner	3
Acid Number	11.5
Amine Number	<1
Refractive Index	1.479
Density at 25°C, lb/gal	8.21
Flash Point, °F, Seta Closed Cup	565
Tg, °C	-50

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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