



# Product Data Sheet

Rev. 5/11

## SYLVASOL™ 80-E70 Specialty Polymer - Ethanol Blend

**INCI Name:** Alcohol Denat. (and) Polyamide-3

**SYLVASOL™ 80-E70** is an ethanol solution of a partially vegetable derived polymer and 200 proof denatured ethanol. This blend has been specifically developed for continuous ethanol sunscreen sprays.

Features	Benefits
Medium bio-based content	Sustainable, over 50% bio-based derived
Low viscosity solution	Pre-blended for ease of use in formulation No heating required
Contains high molecular weight, hydrophobic polymer	Compatible with a wide range of cosmetic actives Forms smooth films with low tack and soft skin feel No balling or flaking on the skin after drying

Applications
Can be used in a wide range of cosmetic applications, specifically suited for continuous ethanol sunscreen sprays.
Can be incorporated in a cold process.
Can be added into either the oil phase or ethanol phase to form a clear, low viscosity solution.
Imparts water repellency and actives retention while maintaining positive skin feel, aesthetics and low gloss.
Polymeric film helps to improve retention of fine fragrances on skin.

Typical Properties	
Bio-based (non-petroleum carbon) content, %	58, source polymer
Solids, %	30
Viscosity, cPs	< 200
Color, Gardner	<1
Clarity, Visual	Clear
Refractive Index	1.479, source polymer
Density at 25°C, lb/gal	6.92
Flash Point, °F, Seta Closed Cup	~55
Tg, °C	-50

<b>CASRN</b>	64-17-5 / 1093268-29-1
<b>Packaging</b>	Available in 55 gallon drums; 375 lbs net weight.
<b>Handling &amp; Storage</b>	Drums should be stored at room temperature. Ethanol is flammable; please consult MSDS for safety information. Some product thickening may occur upon drum storage. This is completely reversible with slight agitation



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