



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 |

| | |
|-------------------------------|--|
| CASRN | 64-17-5 / 1093268-29-1 |
| Packaging | Available in 55 gallon drums; 375 lbs net weight. |
| Handling & Storage | 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 |



Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL (800) 526-5294
Sales Service: Almere, The Netherlands +31 36 5462 800
www.arizonachemical.com

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.