



## Zemea® Propanediol

**INCI Name:** Propanediol

**CAS Number:** 504-63-2

**EINECS Number:** 207-997-3

### Summary

Zemea® propanediol is a natural, skin-friendly, preservative-boosting alternative to petroleum-based glycols for formulators who desire multifunctional and innovative cosmetic ingredients. It answers consumer demand for safe, pure, skin-friendly products. Zemea® propanediol functions well as an emollient, humectant, hand-feel modifier, or solvent.

### Benefits

- Lack of skin irritation or sensitization
- Improved humectancy
- High purity
- Boosts preservative efficacy
- Excellent sensory characteristics
- Favorable environmental profile

### Typical Properties

Appearance	Clear
Odor	Low, Sweet
Solubility in water	Soluble
Viscosity, cP (20°C)	52
Density, g/ml (20°C)	1.053
pH	Neutral
Purity	99.8%

### Packaging

18.1 kg (40 lb) Pails  
199.8 kg (440 lb) Drums  
997.9 kg (2,200 lb) Totes  
Tank Trucks  
Iso Tank Containers

### Storage Conditions and Expiration Date

Sealed containers should be stored within a temperature range of 0° – 50°C (32°–122°F). Containers can be resealed and stored within the same temperature range. Avoid prolonged exposure to oxygen and water. The use of nitrogen during storage is encouraged. If the seal is unbroken and the material has been stored according to the manufacturer's recommendations, a 2 year shelf life can be expected.

### Purity Guarantee

Zemea® propanediol is made from fermentation of glucose and contains no added preservatives, petroleum-based ingredients, or animal by-products.

### For additional information or samples:

#### DuPont Tate & Lyle Bio Products Customer Service

198 Blair Bend Drive  
Loudon, TN 37774

Tel: +1-866-404-7933

[www.duponttateandlyle.com](http://www.duponttateandlyle.com)

