



## Zemea® Propanediol

**INCI Name:** Propanediol

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

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

### Summary

Zemea® propanediol is a natural, skin-friendly alternative to petroleum-based glycols for liquid laundry detergents, liquid hand and automatic dish detergents, carpet and rug cleaners, hard surface cleaners, and glass cleaners. It functions well as an enzyme stabilizer or solvent.

### Benefits

- Lack of skin irritation or sensitization
- Improved humectancy
- Good stability
- High purity
- Favorable environmental profile
- Enhanced clarity

### Approvals

- USDA Certified Biobased Product
- U.S. EPA Design for Environment –
- The first DfE-screened solvent to be listed in CleanGredients®.
- Natural Products Association (NPA)
- Meets CA Air Resources Board LVP VOC solvent
- Health Canada – Natural Health Products Ingredient
- GMO Free
- Kosher, Halal, Vegan
- FDA GRAS Approved
- USP – NF & FCC

### Typical Properties

Appearance	Clear
Odor	Low, Sweet
Solubility in water	Soluble
Viscosity, cP (20°C)	49
Density, g/ml (20°C)	1.053
pH	Neutral
Purity	99.8%

### Packaging

18.1 kg (40 lb) Pails  
199.6 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

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