



## 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, sensoral enhancer, preservative booster, carrier for active ingredients, or solvent.

### Benefits

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

### Approvals

- USDA BioPreferred® Certified (100% plant-based, ASTM D6866)
- U.S. EPA Safer Choice Ingredient (SCIL)
- 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 (GRN 302) and FEME GRAS (#4753) Approved

### 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.

### Typical Properties

Color	Transparent
Odor	Slight
Solubility in water	Soluble
Viscosity, cP (20°C)	49
Density, g/ml (20°C)	1.053
pH	Neutral
Purity	99.8 - 100.0%



**For additional information or samples  
please contact Customer Service**

198 Blair Bend Drive, Loudon, TN 37774  
Tel: +1-866-404-7933 • [www.CovationBioPDO.com](http://www.CovationBioPDO.com)

Copyright © 2022 Primient Covation LLC. Zemea® propanediol is a registered trademark of Primient Covation LLC, for its brand of bio-based propanediol marketed under the name of CovationBio® PDO. All rights reserved. This technical product information is presented in good faith and is believed to be accurate and reliable as of the date of publication. Primient Covation LLC makes no guarantee or warranty of any kind, expressed or implied, regarding the product or information contained herein. Purchaser assumes all risk and liability in acting on the information provided herein. It is the sole responsibility of the Purchaser to determine whether Zemea® propanediol is appropriate and suitable for the Purchaser's specific use and, as required, to obtain approval by appropriate regulatory authorities for such use. Statements concerning the use of Zemea® propanediol are not to be construed as recommendations, suggestions, or inducements to use it in the infringement of any patent or in violation of any applicable laws or regulations. Primient Covation LLC disclaims any liability for infringement of any patent by reason of customer's use of any products or information contained herein in combination with other materials or in any process. (8/2022)