



Zemea® USP-NF Propanediol

INCI Name: Propanediol

CAS Number: 504-63-2

EINECS Number: 207-997-3

Summary

Zemea® USP-NF propanediol is a naturally derived solvent, carrier, and humectant that provides formulators with an alternative to petroleum-based glycols and glycerin. Applications include pharmaceutical, dietary supplements, personal care and other applications that require USP-NF standard. Additionally, Zemea® USP-NF propanediol may be used as an excipient for Over-The-Counter (OTC) oral and dermal pharmaceutical applications.

Benefits:

- Lack of skin irritation or sensitization
- Improved humectancy
- Excellent sensory characteristics
- May help deliver actives to the skin
- Boosts preservative efficacy
- Reduced bitterness
- Enhanced sweetness
- Enhanced flavor sensory
- Favorable environmental profile

Approvals:

- The National Formulary (NF)
- United States Pharmacopeia (USP)
- Kosher
- Halal
- 100% bio-based USDA

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	99.9%

Packaging

- 18.1 kg (40 lb) Pails
- 199.8 kg (440 lb) Drums
- 997.9 kg (2,200 lb) Totes

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® USP-NF 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



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