



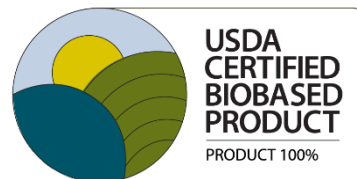
Product Data Sheet

Susterra[®] Propanediol

INCI Name: 1,3-Propanediol

CAS Number: 504-63-2

EINECS Number: 207-997-3



Summary

When performance matters, choose Susterra[®] propanediol—the pure, 100% plant-based, petroleum-free diol. Susterra[®] propanediol is the building block or bio-solvent that delivers high performance in a variety of applications including polyurethanes, unsaturated polyester resins, performance polymers, CASE, and functional fluids. Plus, Susterra[®] propanediol is renewably sourced and generates up to 48% less greenhouse gas emissions cradle-to-gate compared to 1,4-butanediol (BDO), a common petro-chemical sourced alternative. Susterra[®] propanediol can help companies fulfill their sustainability goals without compromising on quality across a variety of industrial applications.

Benefits

- Pure
- Petroleum-free
- Non-toxic & food safe
- 100% sustainably & renewably sourced
- USDA 100% certified bio-based product

Typical Properties

Appearance	Clear
Molecular Weight	76.1
Hydroxyl Value	1475
Viscosity, cP (20°C)	49
Density (20°C)	1.053
Boiling Point (760 mmHg)	214°C / 417°F
Freezing Point	-24°C / -11°F
Flash Point	129°C / 264°F
Vapor pressure, hPa (25°C)	0.0267
Purity, wt%	≥ 99.7%
Water, % max	0.05%
Color, APHA max	15

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

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



For additional information or samples please contact Customer Service

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