

Lotioncrafter

48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

Specification Sheet

Product: Propanediol 1,3

INCI: Propanediol

CAS Number: 504-63-2

EINECS Number: 207-997-3

Summary:

Propanediol 1,3 is a natural, green, propylene glycol alternative derived from corn sugar, used as a humectant, hair and skin conditioner, preservative booster, and solvent with a light, non-sticky, slightly dry skin feel.

Benefits:

- Light, non-sticky skin feel
- Green substitute for propylene glycol from a renewable resource
- Viscosity enhancer
- Clarity enhancer for surfactant systems
- Increased freeze/thaw and heat stability
- Low potential to irritate or sensitize skin
- Good solvent for hard to dissolve ingredients as well as botanical extracts
- Boosts efficacy of preservatives Hygroscopic, hydrates skin and hair well

Typical Properties:

Appearance: Clear, colorless liquid

Odor: Sweet

Solubility: Water

Density: g/ml (20°C): 1.053

Viscosity: cP (20°C): 52

pH: Neutral

Melting point: -24.6°C (-12.3°F)

Boiling point: 214°C (417°F)

Flashpoint: 129°C

Incompatibilities: Incompatible with strong acids and oxidizing ingredients

Storage: Store sealed containers within the range of 0 - 50°C (32 - 122°F). If containers are opened, re-seal and store within that temperature range, and avoid prolonged exposure to water and oxygen. The use of an inert gas, like **Lotioncrafter OxBlox**, or nitrogen is encouraged during storage.

Shelf life: If unopened and stored within the temperature range of 0 - 50°C (32 - 122°F), 2 years. If opened, 9 to 12 months.