




Zemea® USP-NF

Trade Name	Zemea® USP-NF Propanediol
Chemical Name	1,3-Propanediol
Chemical Structure	HOCH ₂ CH ₂ CH ₂ OH 
Molecular Formula	C ₃ H ₈ O ₂
Molecular Weight	76.1
CAS Number	504-63-2
EINECS Number	201-997-3
FEMA Number	4753
TSCA	Listed

Physical Properties	Unit	Value
Boiling Point	°C	214
Freezing Point	°C	-24
Specific Gravity (20/20°C)		1.055
Refractive Index (25°C)		1.4386
Viscosity (20°C)	cP	52
Flash Point (closed cup)	°C	129
Vapor Pressure (20°C)	mmHg	0.08
Vapor Density (20°C/air=1)	°C	2.5
Explosive Limits	Vol %	2.6 –16.6
Autoignition Temp	°C	405
Solubility (in Water 20°C)		Completely Soluble
Specific Heat (20°C)	cal/g/°C	0.53
Surface Tension (20°C)	dyne/cm	46.2

For additional information or samples:

DuPont Tate & Lyle Bio Products Customer Service

198 Blair Bend Drive
Loudon, TN 37774 USA

Tel: +1-866-404-7933

www.duponttateandlyle.com

