


Zemea™* the Natural Choice...
Purity and Renewable Performance



Physical Properties

Zemea™
 renewably sourced™ propanediol

Trade Name	Zemea™ Propanediol		
Chemical Name	1,3-Propanediol		
Chemical Structure	<chem>HOCH2CH2CH2OH</chem> 		
Molecular Formula	C ₃ H ₈ O ₂		
Molecular Weight	76.1		
CAS Number	504-63-2		
EINECS Number	207-997-3		
INCI Name	Propanediol		
TSCA	Listed		
Physical Properties	Property	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, please contact:

DuPont Tate & Lyle Bio Products Customer Service

In the US, Canada, or Mexico: 1-866-404-7933

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