



Physical Properties  
Propylene Glycol USP, Excipient grade/EP, EVO-100™  
ADM Product 049000  
And  
Propylene Glycol Industrial Grade, EVO-100™  
ADM Product 049020

Archer Daniels Midland Co.  
1001 Brush College Road  
Decatur, IL 62521  
Phone: 217-451-7418  
Fax: 217-451-2473  
www.adm.com

	<i>1,2-propanediol</i>	CAS 57-55-6	<i>CH<sub>3</sub>CHOHCH<sub>2</sub>OH</i>
Boiling Point at:		10 mm Hg 50 mm Hg 760 mm Hg	85°C 116°C 187.4°C
ΔBoiling Point/ΔPressure			0.042°C/mm Hg
Coefficient of Expansion		to 20°C to 55°C	0.695 x 10 <sup>-3</sup> 0.743 x 10 <sup>-3</sup> 1.0363
Density @ 10°C			32
Dielectric constant at 20°C, ESU			32
Evaporation Rate (n-butyl acetate = 1.0)			< 0.01
Fire Point, ASTM open cup			225°F
Flash Point:		Cleveland Open Cup Penske Martin Closed Cup	210°F 212°F
Freezing Point			- 59°C
Heat of Combustion at 25°C			5728 cal/g
Heat of Vaporization at BP, at 1 atm			168.9 cal/g
Ignition Temperature			421°C
Miscibility, fully in			water, acetone, ethanol chloroform, diethyl ether
Molecular Weight			76.1
Refractive Index, n <sub>D</sub> 20°C			1.431 – 1.433
Specific Heat at 20°C			0.593 cal/g
Specific Gravity, 25/25°C			1.035 – 1.037
ΔSpecific Gravity/ΔTemperature, 0 to 40°C			0.00073/°C
Vapor Density (air = 1.0)			2.52
Vapor Pressure at 25°C			0.13 mm Hg
Viscosity at:		0°C 20°C 40°C	242 cp 56 cp 18 cp
Weight per gallon at 25°C			8.64 lb



The information contained herein is correct as of the date of this document to the best of our knowledge. Any recommendations or suggestions are made without guarantee or representation as to results and are subject to change without notice. We suggest you evaluate any recommendations and suggestions independently. WE DISCLAIM ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Our responsibility for claims arising from any claim for breach of warranty, negligence, or otherwise shall not include consequential, special, or incidental damages, and is limited to the purchase price of material purchased from us. None of the statements made here shall be construed as a grant, either express or implied, of any license under any patent held by Archer Daniels Midland Company or other parties. Customers are responsible for obtaining any licenses or other rights that may be necessary to make, use, or sell products containing Archer Daniels Midland Company ingredients.