

PGDA WASH SOLVENT

Version/Printdate: 12.05.2022

IDENTIFIERS

Product name	PGDA WASH SOLVENT
Chemical name of the substance:	Propane-1,2-diyl diacetate
CAS:	623-84-7
EC-No.:	210-817-6
REACH Registration Number:	01-2119892736-20-xxxx
Chemical Sum Formula	$C_7H_{12}O_4$
Chemical Formula	CH -CO-O-CH ₂ -CHCH ₃ -O-CO-CH ₃

TYPICAL PHYSICAL PROPERTIES

This data provided for those properties are typical values, and should not be construed as sales specifications.

Property	Method	Value	Unit
Molecular Weight (g/mol)	-	160,2	g/mol
Boiling Point @ 1013 mbar	-	190	°C
Flash Point (Setaflash Closed Cup)	IP 170	95	°C
Freezing Point	-	< -75	°C
Vapor pressure @ 20°C – extrapolated	Calculated	< 2,5	mmHg
Specific gravity (25/25°C)	ASTM D4052	1,06	g/cm ³
Liquid Density @ 20°C	ASTM D4052	1,056	g/cm ³
@ 25°C	ASTM D4052	1,05	g/cm ³
Viscosity @ 25°C	-	2,47	cP or mPa·s
Surface tension @ 20°C	-	32,9	dynes/cm or mN/m
Specific heat @ 25°C	-	3,22	J/g/°C
Autoignition temperature	ASTM E659	431	°C
Evaporation rate (n-butyl acetate = 1.0)	-	0,04	
Solubility in water, g/100g @ 25°C	-	8	g
Hansen solubility parameters	-		(J/cm ³) ^{1/2}
_d (Dispersion)	-	15,8	
_p (Polar)	-	3,5	
_h (Hydrogen bonding)	-	8,8	
Explosion limits	-		
Lower	-	2,8	vol.% in air
Upper	-	12,7	vol.% in air

HAZARD INFORMATION

For detailed Hazard Information please refer to the Safety Data Sheet on resources.3d-basics.com

STORAGE HANDLING

Provided proper storage and handling precautions are taken we would expect PGDA WASH SOLVENT to be technically stable

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for at least 12 months. For detailed advice on Storage and Handling please refer to the Safety Data Sheet on resources.3d-basics.com.

DISCLAIMER

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