

# EvaChem

Evacaely Enterprise  
23G, Medan Bukit Indah 2, Taman Bukit Indah, 68000, Ampang, Selangor  
Sales Line : 011-3741 2689

## Specification

Test	Unit	Result		
		50 cSt	100 cSt	200 cSt
Appearance		Crystal clear	Crystal clear	Crystal clear
Specific Gravity at 25°C (77°F)		0.960	0.964	0.967
Refractive Index at 25°C (77°F)		1.4022	1.4030	1.4032
Color, APHA		5	5	5
Flash Point, Open Cup	°C (°F)	318 (605)	>326 (>620)	>326 (>620)
Acid Number, BCP		trace	trace	trace
Melt Point	°C (°F) <sup>1,2</sup>	-41 (-42)	-28 (-18)	-27 (-17)
Pour Point	°C (°F)	-70 (-94)	-65 (-85)	-65 (-85)
Surface Tension at 25°C (77°F)	dynes/cm	20.8	20.9	21.0
Volatile Content, at 150°C (302°F)	percent	0.3	0.02	0.07
Viscosity Temperature Coefficient		0.59	0.60	0.60
Coefficient of Expansion	cc/cc/°C	0.00104	0.00096	0.00096
Thermal Conductivity at 50°C (122°F)	g cal/cm-sec.°C	-	0.00037	-
Solubility Parameter <sup>3</sup>		7.3	7.4	7.4
Solubility in Typical Solvents				
Chlorinated Solvents		High	High	High
Aromatic Solvents		High	High	High
Aliphatic Solvents		High	High	High
Dry Alcohols		Poor	Poor	Poor
Water		Poor	Poor	Poor
Fluorinated Propellants		High	High	High
Dielectric Strength at 25°C (77°F)	volts/mil	400	400	400
Volume Resistivity at 25°C (77°F)	ohm-cm	1.0x10 <sup>15</sup>	1.0x10 <sup>15</sup>	1.0x10 <sup>15</sup>
		<b>350 cSt</b>	<b>500 cSt</b>	<b>1,000 cSt</b>
Appearance		Crystal clear	Crystal clear	Crystal clear
Specific Gravity at 25°C (77°F)		0.969	0.970	0.970
Refractive Index at 25°C (77°F)		1.4034	1.4035	1.4035
Color, APHA		5	5	5
Flash Point, Open Cup	°C (°F)	>326 (>620)	>326 (>620)	>326 (>620)
Acid Number, BCP		trace	trace	Trace
Melt Point	°C (°F) <sup>1,2</sup>	-26 (-15)	-25 (-13)	-25 (-13)
Pour Point	°C (°F)	-50 (-58)	-50 (-58)	-50 (-58)
Surface Tension at 25°C (77°F)	dynes/cm	21.1	21.2	21.2
Volatile Content, at 150°C (302°F)	percent	0.15	0.11	0.11
Viscosity Temperature Coefficient		0.60	0.61	0.61
Coefficient of Expansion	cc/cc/°C	0.00096	0.00096	0.00096
Thermal Conductivity at 50°C (122°F)	g cal/cm-sec.°C	-	0.00038	0.00038
Solubility Parameter <sup>3</sup>		7.4	7.4	7.4
Solubility in Typical Solvents				
Chlorinated Solvents		High	High	High
Aromatic Solvents		High	High	High
Aliphatic Solvents		High	High	High
Dry Alcohols		Poor	Poor	Poor
Water		Poor	Poor	Poor
Fluorinated Propellants		High	High	High
Dielectric Strength at 25°C (77°F)	volts/mil	400	400	400
Volume Resistivity at 25°C (77°F)	ohm-cm	1.0x10 <sup>15</sup>	1.0x10 <sup>15</sup>	1.0x10 <sup>15</sup>

<sup>1</sup>The melt point temperature is a typical value and may vary somewhat due to molecular distribution (especially 50 cSt). If the melting point is critical to your application, then several lots should be thoroughly evaluated.

<sup>2</sup>Due to different rates of cooling, this test method may yield pour points lower than the temperature at which these fluids would melt.

<sup>3</sup>Fedors Method: R.F. Fedors, Polymer Engineering and Science, Feb. 1974.