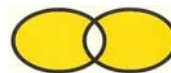


UniSource Energy, Inc.
Specialty Aliphatic Solvent
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNIPAR® IP 220 PC

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 4052	0.814
Gravity, °API @ 60°F	D 287	42.4
Density (Lb/Gal) @ 60°F	D 1250	6.78
Color, Saybolt	D 156	+30
Viscosity @ 40 C, cSt	D 445	2.8
Distillation Range, °F (°C)	D 86	
IBP		486 (252.2)
10%		498 (258.9)
50%		513 (267.2)
90%		534 (278.9)
EP		548 (286.7)
Kauri Butanol	D 1133	
Aniline point, °F (°C)	D 611	181 (82.8)
Flash point, °F (°C)	D 93	232 (111)
Aromatics, %	UV	
	E 169	0.14

Chemical Abstract # 68551-20-2
Jun-09

*The values shown here are representative of current production.
Some are controlled by manufacturing specifications, while others are not.
All may vary within modest ranges.*