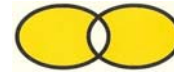


UniSource Energy, Inc.
Specialty Naphthenic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP 108 AC

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.911
Gravity, °API @ 60°F	D 4052	24.2
Density (Lb/Gal) @ 60°F	D 4052	7.58
Color, ASTM	D 1500	L 0.5
Viscosity, SSU @ 100°F	D 2161	109.3
Viscosity, SSU @ 210°F	D 2161	38.4
Viscosity, cSt @ 40°C	D 445	20.61
Viscosity, cSt @ 100°C	D 445	3.6
Viscosity Index	D 2270	7
Viscosity Gravity Constant	D 2501	0.871
Aniline point, °F (°C)	D 611	163.7 (73.2)
Neut. No., MG KOH/G	D974	0.01
Refractive Index @ 20°C	D 1218	1.4953
Flash Point, COC, °F (°C)	D 92	324 (162)
Pour Point, °F (°C)	D 97	-51 (-46)
Sulfur, Wt. %	D 3120	0.04

Chemical Abstract #	64742-52-5 Oct-11
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*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.*