

## ExxonMobil Exterex™ A51 Synthetic Fluid

Category : Fluid , Lubricant

### Material Notes:

**Product Description:** Esterex™ Adipate Esters are API category Group V fluids. These esters have excellent low-temperature properties, high viscosity indices, good lubricating properties and low volatilities. Esterex™ Adipate Esters can be used as sole basestocks or blendstocks with other synthetic fluids in many automotive and industrial lubricant applications. These esters are ideal in high-temperature conditions, such as reciprocating air compressors, where discharge valve cleanliness is required. **Appearance:** Bright & Clear **Availability:** Africa & Middle East, Asia Pacific, Central America, Europe, North America and South America **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Exterex-A51-Synthetic-Fluid.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exterex-A51-Synthetic-Fluid.php)

Physical Properties	Metric	English	Comments
Density	0.915 g/cc @Temperature 15.6 °C	0.0331 lb/in <sup>3</sup> @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	136	136	Index; ASTM D2270
Kinematic Viscosity	16970 cSt @Temperature -40.0 °C	16970 cSt @Temperature -40.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	27 cSt	27 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.4 cSt	5.4 cSt	ASTM D445
Evaporation Loss	10.1 % @Temperature 205 °C, Time 23400 sec	10.1 % @Temperature 401 °F, Time 6.50 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	-57.2 °C	-71.0 °F	ASTM D5950/D97
Flash Point	207 °C	405 °F	PMCC; ASTM D92
	247 °C	477 °F	COC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4559	1.4559	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	0.010	0.010	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	<68°F	ASTM D611
Biodegradation	0.585	OECD 301F
Color	<0.5	ASTM D1500
Composition	Water	<350 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000702 (g/cc)/°C	ASTM D1250
Elastomer Compatibility	-0.02	Fluoroelastomer Hardness Change, ASTM D471
	-0.031	Fluoroelastomer Tensile Strength Change, ASTM D471
	0.034	Fluoroelastomer Volume Change, ASTM D471
	-0.08	Nitrile Hardness Change, ASTM D471
	-0.08	Polyacrylate Hardness Change, ASTM D471
	-0.091	Fluoroelastomer Elongation Change, ASTM D471
	0.12	Nitrile Volume Change, ASTM D471
	-0.12	Polyacrylate Elongation Change, ASTM D471
	0.198	Polyacrylate Volume Change, ASTM D471
	-0.199	Polyacrylate Tensile Strength Change, ASTM D471
	-0.209	Nitrile Elongation Change, ASTM D471
	-0.32	Nitrile Tensile Strength Change, ASTM D471
Fire point	536°F	COC, ASTM D92
Hydrolytic Stability, TAN Change	0.16 mg KOH/g	ASTM D2619
Kauri-Butanol Value	29	ASTM D1133
Noack Volatility	0.074	ASTM D5800/DIN 51581
RPVOT	>1210 min	With AO, ASTM D2272
	265 min	Neat, ASTM D2272

## Contact Songhan Plastic Technology Co.,Ltd.

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