

Supplier -

Isopropyl oleate (IPO)

Typical Properties

Appearance@25°C	Light-colored Liquid
Color,ASTM D1544,Gardner/D1500	≤ 7/2.0
Kinematic Viscosity@40°C,cSt	6.3
Kinematic Viscosity@100°C,cSt	2.1
Density@25°C,Lb/Gal(kg/L)	7.7 (0.920)
Total Acid Value,mgKOH/g	≤ 2.0
Pour Point,°C(°F)	≤ -15 (5)
Flash Point C.O.C.,°C(°F)	180 (255)
Cloud Point,°C(°F)	≤ 5 (41)
Saponification Number,mgKOH/g	165 - 175

Product Description

Adtec™ 132 is a simple ester of oleic acid esterified with isopropanol. It is a low-viscosity synthetic ester and offers excellent lubricity, hydrolytic stability with good low temperature fluidity. It is approved for incidental food contact and is biodegradable according to the European 21 days and EPA 28 days biodegradability tests.

Applications:

Adtec™ 132 is very resistant to hydrolysis and often finds use in semi-synthetic and synthetic metalworking fluids as a lubricity additive in applications where the service environment is more severe and demanding. Its good lubricity characteristics enable it to be used as a plasticizer in plastic industry. Its good solvency and low-temperature properties have made it possible as a solvent or process oil for industrial use.

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