

Simple Esters
n-Butyl oleate (NBO)**Typical Properties**

Appearance@25°C	Light-colored Liquid
Color,ASTM D1544,Gardner/D1500	≤ 6/2.0
Viscosity@40°C,cSt	6.0
Density@25°C,Lb/Gal(kg/L)	7.2 (0.870)
Total Acid Value,mgKOH/g	≤ 2.0
Pour Point,°C(°F)	-26 (-15)
Cloud Point,°C(°F)	-3 (27)
Moisture Content,%wt	≤ 0.1
Flash Point C.O.C,°C(°F)	≥ 180 (356)
Saponification Number,mgKOH/g	≤ 180

Product Description

Adtec™ 158 is a simple ester of oleic acid esterified with n-butanol. It is a low-viscosity synthetic ester, and offers excellent lubricity and 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™ 158 has found use as a lubricity additive for synthetic and semi-synthetic metalworking fluids and as a plasticizer for plastics. It can be as a solvent or a process oil for low-temperature applications.

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