

SAXETHANE

Urethane-Modified Soy Fatty Acid Ester

Airable Research Lab has developed a urethane-modified soy-based fatty acid ester that can substitute for petroleum-based chemicals, enabling a variety of low-cost and low-toxicity products.

APPLICATIONS

SAXETHANE has potential applications as an additive for stoving and air-drying enamels, thixotropic modifiers for solvent-based paints, friction reducers, and plasticizers.

TECHNICAL DATA

Property	Value
Active	100%
Physical form at 20°C	Liquid
Density	1.03 g/mL
Viscosity at 20°C	500 cps
Refractive index at 20°C	1.489
Acid value	2.05
Iodine value (USP 42/NF 37 Supplement 2)	52.2 g/100 g
Solubility (20 wt% at 20°C):	
Acetone	Soluble
2-butoxy ethyl acetate	Soluble
Heptane	Soluble
Methyl ethyl ketone	Soluble
Soymethyl ester/ethyl lactate blend	Soluble
Soymethyl ester	Soluble
Toluene	Soluble
Water	Insoluble