

SSI Low VOC (1.4 g/l) Soy Methyl Ester

Product Description

The rising price of petroleum and increasing concerns about the environmental impact of chemical cleaners has sparked an interest in biobased solvents. Soy Methyl Ester which is manufactured from soybean oil, is a key ingredient in this growing eco-friendly mix.



This low-cost, readily biodegradable alternative can replace some of the 460 million pounds of traditional chlorinated and petroleum solvents used each year. Soy Methyl Ester is safer to handle and store with a high flashpoint and high boiling point. It is not an ozone-depleting chemical (ODC), nor a hazardous air pollutant.

But not all Methyl Esters are alike. With only 1.4 g/l voc emissions, SSI Methyl Ester qualifies for a “No-VOC” rating and products made with SSI Methyl Ester will have the “No-VOC” rating. SSI Soy Methyl Ester also meets all Federal biobased buying requirements specified by the USDA.

Properties

Test	Value	Reference
Kauri-butanol number	58	ASTM D 1133
Volatile organic compounds (VOCS)	1.4 g/l	EPA Method 24;ASTM D 3960
Flash point (closed cup)	> 350 F	ASTM D 93
Specific gravity	.88	ASTM D 1475
Density	7.3 lb/gal	ASTM D 1298
Vapor pressure	<1.0 mmHg	ASTM D 5191
Evaporation rate	0.0098	ASTM D 3539
Boiling point	625 F min	ASTM D 2887
Viscosity	3.9 - 4.3 mm ² /sec	ASTM D 445

Applications

SSI Soy Methyl Ester can replace mineral spirits, toluene, VM&P, acetone, xylene, d-Limonene and other hazardous solvents. SSI Soy Methyl Ester provides extra high solvency and a slow evaporation rate that aids in longer solvent contact with target material.

Applications include degreasing, and cleaning products, corrosion inhibitors, paint removers, degreasers, agricultural adjuvants, graffiti removers, and mold release agents.



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