

AmberTech MSM

Lubricate to the Molecular Level

Product Bulletin: AmberTech M99



AmberTech M99 is a high value performance ratio, fire-resistant, extreme pressure ester based lubricant that can be used as an additive to drastically enhance oil, hydraulic fluid, stamping fluid, grease, and other lubrication products. M99 significantly increases the ability of other lubricants to reduce friction, resist corrosion, and improve oxidation stability in extreme pressure and high temperature applications.

"I served in the United States Air Force for Nearly 28 years. I have never seen a product like AmberTech. It's a Game Changer and has shifted my thinking about lubrication, greases, and metal conditioning 180 degrees out." – Rob Hopkins, Colonel (Ret.), United States Air Force

Product Features/Advantages

- USDA Certified 99% Biobased
- Nonflammable and Nonhazardous
- Readily Biodegradable
- Sustainable High Performance in Extreme Pressure Applications
- High drop point (540 °F)
- Water resistant
- Anti-corrosive (Impedes corrosion from rust, oxidation, dirt, etc.)
- Contains zero environmentally targeted chemistries
- Detergency (cleans metal at the molecular level)
- Dispensancy (spreads evenly throughout the system)
- Manufactured at an ISO 9001 facility
- High Oxidative and Thermal Stability
- Cleans, Conditions, and Strengthens the metal

AmberTech M99 Benefits

- Decreases friction, metal wear, and vibrations
- Increases Fuel Efficiency, Horsepower, and Torque
- Drastically lowers operating temperatures
- Reduces Greenhouse Gas Emissions
- Decreases energy demand on equipment
- Superior film boundary protection for gears and bearings
- Extends equipment life through shielding corrosion at molecular levels
- Minimizes downtime from breakdowns
- Increases life of carrier lubricant
- Lowers maintenance and operating costs
- Increases the equipment's operational efficiency

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Typical Properties

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GHS Product Identifier	AmberTech M99	Test Method
Chemical Name	Surfactant Blend	-
Physical State	Liquid	Visual
Color	Yellow	Visual
Flash Point	539 °F (282°C)	Closed Cup
Bio-Based Content Analysis	99% Bio-Based	ASTM-D6866-11
Average Ball Scar Diameter	.700	ASTM D5183
Average Test Scar Diameter	1.021	ASTM D5183
Failure Load	No Failure	ASTM D5183
Average Coefficient of Friction	.082	ASTM D4172
Average Ball Scar Diameter	.689	ASTM D4172
Failure Load	4500 lbs.	ASTM D3233
Total Teeth Wear	13	ASTM D2670

AmberTech M99 Sizes

8 oz. Bottle	2.5 gal. Bucket
Case (6 Bottles)	5 gal. Drum
Master Case (4 Cases)	55 gal. Drum
1 gal. Jug	275 gal. Tote

AmberTech M99 Applications

• Combustion Engines	• Gearboxes	• Hydraulic Systems
• Pumps	• Compressors	• Drilling/Tapping/Boring
• Air Handlers	• Mechanical Systems	• Machinery
• Generators	• Stamping	• Tooling

Note: M99 can be used at 2 oz. per qt. anywhere hydraulic fluid or oil is used. M99 can reduce friction anywhere metal-to-metal contact occurs.

AmberTech M99 features excellent stability for continued long service life. A review of the SDS demonstrates that AmberTech lubricants provide a safer work environment when compared to conventional lubricants.

For any question with compatibility, visit www.ambertech-global.com and for any technical questions, please call 903-739-2128 and one of our technical specialists will gladly assist you.

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