



MAG1

Evolutionary Performance™

**VEHICLE
MAINTENANCE FLUID**



Evolutionary Performance™

FMX TECHNOLOGY **FRICTION MANAGEMENT FOR XTREME PROTECTION**

POWER STEERING FLUID



MAG 1® Power Steering Fluids, featuring FMX® technology, keep your power steering systems operating at peak performance. Benefits include:

- Helps prevent wear and corrosion
- Helps quiet annoying squeals and squeaks
- Smooths and eases steering operation
- Helps prevent slippage

PACK SIZES		Pack Size	Product #
		Power Steering Fluid	
		6/1 Quart	00810
		3/1 Gallon	00816
PSF with Stop Leak		12/12 Ounces	00172
		6/1 Quart	00809
OEM PSF		12/12 Ounces	60211
		6/1 Quart	62661
		3/1 Gallon	62663

MAG 1 POWER STEERING FLUID

MAG 1 Power Steering Fluid is recommended for reservoir top off, but not complete refill. Benefits of MAG 1 Power Steering Fluid include:

MAG 1 OEM POWER STEERING FLUID

MAG 1 Power Steering Fluid is a specially blended formula that meets or exceeds GM 9985010, Ford M2C195-A and Chrysler MS-5931. Recommended for complete fluid refill or top off.

MAG 1 POWER STEERING FLUID WITH STOP LEAK

MAG 1 Premium Power Steering Fluid with Stop Leak Additive is specifically formulated to stop leaks by softening and conditioning hardened seals and gaskets. Seals and gaskets in older vehicles dry out, harden and shrink causing system leaks.

CLAIMS	Power Steering Fluid		OEM PSF		Power Steering Fluid		OEM PSF	
	●	○	●	○	●	○	●	○
ASTM D6158	●				GM 9985010 Saginaw Power Steering System			●
Bosch Rexroth	○				JCMAS HK	○		
Chrysler MS 5931F, P/N 04883077			●		Parker Denison HF-0, HF-1	○		
Cincinnati/MAG IAS P-68	○				Parker Denison HF-2	○		
DIN 51524, Part 1,2,3	○				Racine	○		
Eaton E-FDGN-TB002-E, 35VQ25A	●				Sperry Vickers/Eaton I-286-S, M-2950-S	○		
Ford M2C195-A			●		U.S. Steel 127, 136	○		
General Motors LS-2	○							

● = Meets Requirements ○ = Suitable for Use

TYPICAL PHYSICAL PROPERTIES

Properties	Test Method	Power Steering Fluid	PSF with Stop Leak	OEM Power Steering Fluid
Brookfield Viscosity at -40 °C, cP	ASTM D2983	-	-	14,297
Color	ASTM D1500	0.5	1	1.5
Gravity, °API	ASTM D287	32.44	32.46	33.03
Hydrolytic Stability Test	ASTM D2619	-	-	Pass
Phosphorus, wt. %	ASTM D5185	0.033	0.024	-
Pour Point °C (°F)	ASTM D5950	-39°C (-38°F)	-30°C (-22°F)	-31°C (-60°F)
Rust Protection	ASTM D665A	-	-	Pass
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8631	0.863	0.86
Sulfur, wt. %	ASTM D4951	0.065	0.050	-
Viscosity @ 100°C cSt	ASTM D445	5.55	5.561	6.991
Viscosity @ 40°C cSt	ASTM D445	32.11	32.56	34.17
Viscosity Index	ASTM D2270	110	108	170
Zinc, wt. %	ASTM D5185	0.041	0.03	-



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FMX[®] TECHNOLOGY **FRICTION MANAGEMENT FOR XTREME PROTECTION**

BRAKE FLUID



MAG 1® DOT 3 BRAKE FLUID

Specially blended formula that meets or exceeds the highest standards of performance and safety for a DOT 3 fluid. For all disc and drum brake systems, including ABS, in which a DOT 3 fluid is recommended. Complies with Federal Motor Vehicle Safety Standard 116. Surpasses SAE Spec. J1703. Minimum Wet Boiling Point 284°F (140°C).

MAG 1 DOT 4 BRAKE FLUID

Specially blended formula that provides the ultimate in hi-temp protection, moisture resistance and lubricity for all disc and drum Brake systems in which a DOT 4 or DOT 3 fluid is recommended. Complies with Federal Motor Vehicle Safety Standard 116. Surpasses SAE Spec. J1703. Minimum Wet Boiling Point 311°F (155°C).

PACK SIZES	DOT 3	
	Pack Size	Product #
	12/12 Ounces	00122
	6/1 Quart	00120
	3/1 Gallon	00121
	5 Gallon	00125
	55 Gallon	00128
	DOT 4	
	12/12 Ounces	00126
	6/1 Quart	00130
	3/1 Gallon	62205
	55 Gallon	00131

TYPICAL PHYSICAL PROPERTIES		
Properties	DOT 3	DOT 4
Chemical Stability, °C change, max.	-1°C(-2°F)	-2°C(-2°F)
Corrosion weight change, mg/cm2, max. Tinned Iron	0	0
Corrosion weight change, mg/cm2, max.Steel	0	0.01
Corrosion weight change, mg/cm2, max.Aluminum	0	0
Corrosion weight change, mg/cm2, max.Cast Iron	0	0
Corrosion weight change, mg/cm2, max.Brass	0.04	0.05
Corrosion weight change, mg/cm2, max.Copper	0.05	0.04
Compatibility: Sedimentation at 40°C, vol. % max.	0	0
Decrease in hardness of rubber cups at 70°C, IRHD, max.	6	8
Equilibrium Reflex Boiling Point, °C (°F) min.	255 (492)	254 (490)
High Temp. Stability, °C change, max.	-1°C(-2°F)	-1°C(-2°F)
Increase in base diameter of rubber cup at 70°C, mm	0.015	0.011
Kinematic Viscosity, at -40°C, cSt	1189	1041
Kinematic Viscosity, at 100°C, cSt min.	2.1	2.1
Wet Equilibrium Reflex Boiling Point, °C (°F) min.	151 (304)	168 (334)



Evolutionary Performance™



AEROSOLS / CHEMICALS



MAG 1® AIR INTAKE & THROTTLE BODY CLEANER

Specially formulated to quickly remove performance-robbing gum and varnish, yet it is safe for all component surfaces. Use every 12,000 miles to keep engine running at peak performance. Meets all state V.O.C. regulations.

MAG 1 BELT DRESSING

Conditions new and used drive belts found in automotive engines and other belt driven equipment to prevent drying and cracking. Tackiness agent helps adheres the fluid to the belt to reduce slippage and quite belt operation.

MAG 1 CHAIN LUBRICANT

Non-chlorinated solvents penetrate deep into chain pins and bushings to leave a protective coating. This coating displaces moisture and lubricates metal parts to decrease wear. Never dry formula is highly resistant to slinging off the chain and will not attract dirt, dust, sand or grit.

MAG 1 CHLORINATED BRAKE PARTS CLEANER*

Dissolves and removes brake fluid, oil, grease and other contaminants from brake linings, rotors and drums. Evaporates extremely quick and leaves no residue. Follow directions carefully. Cannot be sold in CA or NJ.

MAG 1 ELECTRIC CONTACT CLEANER

Designed to clean and remove oil, dirt, flux residue and condensation from electrical connections and electric motors. Safe for use on most plastics and metals and leaves no residue. Low VOC formula designed to minimize impact to the environment.

MAG 1 ENGINE DEGREASER

Designed to effectively clean grease, oil and other residue from the exterior of engines and other mechanical components found in automotive, HD truck, farm, and industrial equipment. Helps reduce the need to scrub components and rinses clean with water or a clean towel.

MAG 1 GLASS CLEANER

No-Drip formula contains ammonia to quickly dissolve grease and chemicals to provide a streak-free finish. Can be used on automotive windows, mirrors and aluminum as well as in home applications such as glass stove tops, glass shower doors and non-porous materials like tile or stainless steel.

MAG 1® NON-CHLORINATED BRAKE PARTS CLEANER*

Cleans brake linings, rotors and drums. Evaporates and leaves no residue. Low VOC formula designed to minimize impact to the environment. USA 50-State legal. Follow directions carefully.

MAG 1 NON-CHLORINATED CARB & CHOKE CLEANER

For use in 2 and 4 cycle engines to remove gum, varnish and deposits from carburetors to improve performance and maximize efficiency.

MAG 1 NON-FLAMMABLE FILL 'N' SEAL TIRE INFLATOR

MAG 1 Tire Inflator is a non-flammable formula to seal and inflate flat tires in seconds. Provides a temporary repair so the driver is not stranded out on the road. Convenient and easy to use and seals most punctures.

MAG 1 PENETRATING OIL

Powerful solvents quickly penetrate where metal components are rusted together. Displaces water, and leaves a fluid film to help prevent further rust formation. For use on nuts, bolts, and other metal-to-metal joints and fittings.

MAG 1 RUBBERIZED UNDERCOATING

High concentration of rubber provides an elastic coating which dries quickly without cracking. Designed for uses on inner body panels, vehicle under carriage, weld joints, and existing cracked undercoating to prevent rust and corrosion. Also effective as a sound deadening material.

MAG 1 SILICONE SPRAY LUBRICANT

For indoor and outdoor use in a wide range of temperatures and materials including metal, plastic and rubber components. Repels water and leaves an ultra-low friction fluid which is clear, odorless, and non-staining. Due to the ultra-low film this product leaves, do not use where it would cause slips or lessen the ability to grip an object securely.

MAG 1 WHITE LITHIUM GREASE

For use in many shop and outdoor applications to help prevent rust and corrosion. Stops sticking and squeaks by leaving a protective barrier of grease.

Pro Formula

MAG 1 NON-CHLORINATED PRO FORMULA BRAKE CLEANER**

Professional strength cleaning power removes brake fluid, oil, grease and other contaminants from brake linings, rotors and drums. Evaporates quickly and leaves no residue. Due to product content, this is not for sale or use in areas with VOC restrictions. Follow directions carefully.

MAG 1 PRO FORMULA CARB & CHOKE CLEANER**

Professional strength cleaner for 2 and 4 cycle engines to easily remove gum, varnish and deposits from carburetors. Due to product content, this is not for sale or use in areas with VOC restrictions.

PACK SIZES	PACK SIZE		PRODUCT #
	Product Name	Quantity	
	Air Intake & Throttle Body Cleaner	12/12 Ounces	00417
	Belt Dressing	12/8 Ounces	00446
	Chain Lubricant	12/12.75 Ounces	61064
	Chlorinated Brake Parts Cleaner	12/18.5 Ounces	00408*
	Electric Contact Cleaner	12/14.5 Ounces	00445
	Engine Degreaser	12/16 Ounces	00415
	Glass Cleaner	12/18 Ounces	00419
	Non-Chlorinated Brake Parts Cleaner	12/14 Ounces	00409 00579*
	Non-Chlorinated Carb & Choke Cleaner	12/11 Ounces	00414*
	Non-Flammable Fill 'N' Seal Tire Inflator	6/12 Ounces 6/16 Ounces	67815 67513
	Penetrating Oil	12/16 Ounces	00443
	Rubberized Under Coating	12/16 Ounces	00432
	Silicone Spray Lubricant	12/10.5 Ounces	00440
	White Lithium Grease	12/12 Ounces	00448
	Pro Formula Carb & Choke Cleaner	12/12.5 Ounces	62542**
	Non-Chlorinated Pro Formula Brake Parts Cleaner	12/15 Ounces	02409**
	*50 State Compliant	** Cannot be sold in low VOC states	



Evolutionary Performance™

GASOLINE FUEL ADDITIVES



MAG 1® Gasoline Fuel Additives featuring FMX® technology provide unsurpassed protection and help improve your engine's performance.

MAG 1 GAS TREATMENT

Specially blended formula to remove water from the gas tank and clean performance robbing dirt, gum, and varnish from fuel injectors and carburetors. Also reduces intake valve and combustion chamber deposits. Used regularly, it can fight fuel system freeze up and corrosion, save gas for improved fuel economy, and can help improve power and acceleration.

MAG 1 OCTANE BOOST

Specially blended formula to economically increase fuel octane level. Used regularly, it can boost power and acceleration, reduce annoying engine knock, ping, and run on, and smooths rough idle.

MAG 1 LEAD SUBSTITUTE

A lead-free formulation replaces lead protection for older engines designed to use leaded gasoline, which can help prevent excessive valve seat wear and extend engine life. For use in automotive, farm and marine engines. If used with each fill up, it can help maintain power and acceleration and help reduce exhaust emissions.

MAG 1 COMPLETE FUEL SYSTEM CLEANER

Specially blended formula to reduce friction and save gas. Specially formulated to improve the quality of gasoline by adding advanced technology cleaning agents to help fight the buildup of harmful carbon, gum and varnish deposits in the fuel system that reduce performance.

MAG 1 FUEL INJECTOR AND CARB CLEANER

Specially formulated to help prevent buildup of performance-reducing deposits such as dirt, gum, and varnish from fuel injectors and carburetors. Also aids in removing water from gas tank. Used regularly, it can smooth rough idle and ease hard starting, fight power loss and reduce exhaust emissions, and protect against fuel system rust and corrosion.

MAG 1 SUPER CONCENTRATED FUEL INJECTOR CLEANER

Specially blended formula to help prevent build-up of performance-reducing deposits such as dirt, gum, and varnish from fuel injectors and carburetors. Also aids in removing water from gas tank. Used regularly, it can smooth rough idle and ease hard starting, fight power loss and reduce exhaust emissions, and protect against fuel system rust and corrosion.

COMPLETE FUEL SYSTEM MAINTENANCE

★	★★	★★★	Lead Substitute*	Octane Boost	Gas Treatment	Fuel Injector and Carb Cleaner	Super Conc. Fuel Injection Cleaner**	Complete Fuel System Cleaner
Cleans Combustion Chamber & Cylinder Heads								★★★
Field Tested and Proven Fuel Economy Gains								★★★
Cleans Fuel Injectors						★	★★	★★★
Cleans Intake Valves						★	★	★★★
Maintains Clean Fuel Injectors					★	★	★★	★★★
Maintains Clean Intake Valves					★	★	★	★★★
Reduces Friction in Upper Cylinders with FMX Additive				★	★	★	★	★★★
Removes Water from Gasoline				★	★	★	★	★
Boosts Octane Rating				★				
Reduces or Eliminates Knock and Ping				★				
Lead Substitute*			★					

* MAG 1 Lead Substitute is designed for older engines that required leaded fuel.

** MAG 1 Concentrated Fuel Injector Cleaner contains twice the Fuel Injector Cleaning agents as MAG 1 Carburetor and Fuel Injector Cleaner.

PACK SIZES

	Pack Size	Product #
Gas Treatment	12/12 Ounces	00152
Octane Boost	12/12 Ounces	00157
Lead Substitute	12/12 Ounces	00162
Complete Fuel System Cleaner	12/16 Ounces	61712
Fuel Injector and Carb Cleaner	12/12 Ounces	00142
Super Concentrated Fuel Injector Cleaner	12/12 Ounces	00147



MAG 1 MOTOR FLUSH

Specially blended formula of solvents and lubricants is designed to remove sludge, gum and varnish that can buildup over time in an engine's crankcase and lubricating oil system. Flushing the crankcase can extend engine life, reduce emissions, improve performance, and free up sticky valves and lifters.

PACK SIZES	Motor Flush	
	Pack Size	Product #
	12/12 Ounces	61572
	6/1 Quart	00171



MAG 1 ENGINE STOP LEAK

Valve cover gasket leaks cause 80% of all oil leaks. Our heavy-duty formulation revitalizes gaskets and seals.

Benefits of MAG 1 Engine Stop Leak include:

- Provides a thick cushion of oil to help stop oil burning and excessive smoking.
- Can be used with all types and grades of motor oil, including graphite and synthetic oil.

MAG 1 OIL TREATMENT

Premium formulation includes state-of-the-art additive technology to provide extra protection against viscosity and thermal breakdown.

Benefits of MAG 1 Oil Treatment include:

- Replenishes vital additives lost to motor oil breakdown.
- Prevents engine wear and fights corrosion and sludge buildup

MAG 1 SMOKE TREATMENT

MAG 1 Smoke Treatment is designed to help prevent engine smoke which is caused by excess valve guide and piston ring wear. This wear creates gaps which allows motor oil to enter the combustion chamber where it is burned.

Benefits of MAG 1 Oil Treatment include:

- Provides a thicker cushion of oil to help prevent oil from entering the combustion chamber.
- Helps quiet worn and noisy lifters.

PACK SIZES	Engine Oil Additives	
	Pack Size	Product #
	Engine Stop Leak	12/14.5 Ounces 00812
	Oil Treatment	12/14.5 Ounces 00184
	Smoke Treatment	12/14.5 Ounces 00180



Evolutionary Performance™

MAG 1® motor oils, lubricants and chemicals are designed to keep pace with today's engine demands, requiring lighter viscosities and increased power densities. It's the only brand with FMX® Technology System, which meets the difficult challenges of effectively balancing performance, strength and durability.

THE MEANING OF EVOLUTIONARY PERFORMANCE™

Today's engines, machinery and equipment are evolving rapidly as OEMs push for more power density, lighter viscosity oil and increased fuel or fluid efficiency. MAG 1 is leading the way in this new evolution, based on the science of advanced additives and powerful molecular structures. It's all part of our exclusive FMX Technology System that boosts performance on many levels under the most severe operating conditions.

It means, despite lower viscosities, MAG 1 still delivers extraordinary performance, strength and durability, in every grade. Even the thinnest MAG 1 oils and fluids perform better than thicker oils of the past.

MAG 1 engine oils and lubricants are chemically formulated to deliver a higher level of performance that rises to the challenge of ever-increasing demands and developments by automotive, heavy duty truck and industrial equipment manufacturers.



PERFORMANCE

MAG 1 delivers unsurpassed protection to control friction and wear well beyond standard industry requirements. It can also help extend engine life and improve the performance of all types of vehicles, trucks, machinery, and equipment.



STRENGTH

MAG 1 is bolstered by FMX Technology, which provides a very strong oil film that shields engines, parts and machinery at multiple points of contact and fights friction between rotating parts.



DURABILITY

MAG 1 protects as well on the last day as it does on the first. Even under the most extreme operating conditions, it retains viscosity and withstands heat and shearing.



EXTREME CONDITIONS

With a powerful, molecular-reinforced formulation, MAG 1 reduces engine and equipment stresses from high heat, cold starts, heavy loads, steep inclines, dusty roads, power density, and more.

WELL-EARNED REPUTATION

MAG 1 is the brand to trust no matter what kind of vehicle you drive or equipment you operate. Manufactured in the U.S.A. by one of the world's leading suppliers of lubricants and automotive chemicals, its solid reputation and record of performance over many years is a testament to the consistent, dependable quality of every MAG 1 product.



Manufactured by Warren Distribution, Inc.
950 S 10th St, Suite 300 | Omaha, NE 68108 | U.S.A.
Toll Free: 800-852-1235 | Main: 402-341-9397 | Spanish/International: 800-949-4645
www.mag1.com | www.warrendistribution.com