



**OUR BUSINESS IS HEAVY DUTY LUBRICANTS**

Tel: (305)681-6110 Fax: (305)681-0906 / Miami, FL 33167 www.PETRO-FLORIDA.com

**PRODUCT SPECIFICATIONS & TECHNICAL DATA**

**MAGIC GLOBAL EXTENDED LIFE ANTI-FREEZE + COOLANT  
FULL STRENGTH CONCENTRATE (Ethylene Glycol Based)**

MAGIC GLOBAL Anti-Freeze/Coolant is specifically formulated and recommended for all cars worldwide and light duty trucks with conventional, aluminum and brass radiators. This anti-freeze meets factory requirements for GM, Chrysler, Ford, European and Asian cars, regardless of year, make or model and original anti-freeze color.

- Poly-Organic/Multi-Organic additive package \* Extended rust and corrosion protection.
- It contains no phosphate, silicate, borate, nitrite or 2-ethylhexanoic acid.
- Outstanding high temperature aluminum protection \* Excellent heat transfer properties.
- Compatible with all conventional & extended life anti-freeze including DEXCOOL ELC
- 5 year / 300,000 mile protection when cooling system is completely flushed and filled with MAGIC GLOBAL Extended Life Anti-Freeze / Coolant.
- Can be used to top-off any color of automotive anti-freeze including green, yellow, orange, red, blue and pink).
- Amber color will not change the current anti-freeze color when used for topping-off.

**CHEMICAL PROPERTIES**

PROPERTIES	TYPICAL VALUES	ASTM TEST METHOD
SPECIFIC GRAVITY AT 60 / 60° F	1.120-1.130	D 1122
BOILING POINT REFLUX	325 F MIN	D 1120
FOAM TEST	50 ml / 3 SEC MAX	D 1881
pH 50% VOLUME SOLUTION	10.5 MIN-11.0 MAX	D 1287
FLASH POINT COC	250° F MIN	D 92
TOTAL WATER, Wt %	5% MAX	D 1123
TOTAL GLYCOLS, Wt %	95% MIN	E 202
COLOR	Amber	

**Recommended for Automobiles with the following Anti-Freeze Specifications:**

\* ANFOR R 15-601 \* GM 1825M \* BS 6580 (British Standard) \* GM 6277M (Dex-Cool® Spec) \* SAE J1034  
 \* Chrysler MS7170 \* Chrysler MS9769 \* JASO M325 (Japan) \* Ford ESE-M97B44-A \* JIS K 2234 (Japan)  
 \* Ford WSS-M97B44-D \* Ford WSS-M97B51-A1 \* Mercedes Benz DBL 7700 \* FVV HEFT R443 (Germany)  
 ASTM D-3306 \* ASTM D-4340 \* ASTM D 4985 \* ASTM D 6210/11 \* TMC of ATA RP329/330/338

FREEZE / BOIL PROTECTION (USING A 15PSI PRESSURE CAP) % of Cooling System PROTECTS FROM			COOLING SYSTEM CAPACITY IN QUARTS Quarts of Anti-Freeze Required for Protection to Temperatures (F) Shown									
Capacity	Freezing down to	Boiling up to	QUARTS	3	4	5	6	7	8	9	10	11
50%	-34 F	265 F	8	-7	-34	-69						
60%	-62 F	270 F	9	0	-21	-50	-70					
70%	-84 F	276 F	10	4	-12	-34	-62					
			11	8	-6	-23	-47	-65				
			12	10	0	-15	-34	-57				
			13		3	-9	-25	-45	-64			
			14		6	-5	-18	-34	-54	-68		
			15		8	0	-12	-26	-43	-62		
			16		10	2	-8	-19	-34	-52	-64	
			17			5	-4	-14	-27	-42	-58	-69
			18			7	0	-10	-21	-34	-50	-62
			19			9	2	-7	-16	-28	-42	-56
			20			10	4	-3	-12	-22	-34	-48

UNIVERSAL CORROSION PROTECTION  
 Very low corrosion weight changes by standard ASTM Glassware (D-1384),  
 Simulated Service (D2570) and Vehicle Service (D-2847) test methods. These  
 methods use 6 different metals: copper, solder, brass, steel, cast iron and  
 aluminum commonly found in an automotive or truck cooling system.  
 Compatible with all nationally distributed water filters and supplemental  
 Coolant additives. When using as a diesel coolant, SCA's must be added.