



ANTIFREEZE COOLANT PRE-MIX

50/50 ANTICONGELANTE/ REFRIGERANTE PREDILUIDO

MOTOR STAR Universal 50/50 Premixed Antifreeze/Coolant is a superior quality ethylene glycol based engine coolant with a low silicate corrosion inhibitor package. This product protects coolant system metals, including heat-rejecting aluminum, against pitting caused by cavitation and corrosion. It provides protection against radiator freeze-up down to -37°C and boil over to 129°C (with a 100 kilopascal {15 psi} radiator cap in good condition).

MOTOR STAR Universal 50/50 Premixed Antifreeze/Coolant is recommended for use in older model domestic and foreign cars and light duty trucks and will provide up to 80,000 km or 2 years service life when installed as initial fill, or after a complete flush and cleaning of a cooling system in reasonable condition. It is compatible with supplemental coolant additives (SCA) and coolant filters and thus can be used in heavy duty diesel coolant systems when pre-charged with SCA.

- Protects against winter freezing and summer boil over
- Prevents pitting caused by cavitation and corrosion of brass, copper, solder, steel, cast iron and aluminum
- Low silicate and aluminum compatible
- Recommended for older model domestic and foreign cars and light duty trucks
- Available as a concentrate

RECOMMENDED CHANGE INTERVAL

150,000 miles* or 5 years of service protection.

COMPATIBILITY

For best results, do not mix with conventional high pH, borate or silicate based coolants.

FORMULATION

Ethylene glycol based. Silicate, borate, nitrite and amine free.

PERFORMANCE FEATURE

Aluminum Compatible

PRODUCT COLOR

Green

SPECIFICATION/PERFORMANCE LEVEL

- ASTM D-3306
- Chrysler MS-7170 • GM 1899
- GM 1825
- TMC RP 302A
- Ford ESE M97B44-A
- John Deere 8650-5 • SAE J1034
- JIS K 2234

TYPICAL PRODUCT PROPERTIES

CHARACTERISTIC	PERFORMANCE	TEST METHOD
pH ^b	10 - 11	ASTM D1287
Specific gravity	1.070 - 1.090	ASTM D1122
Freezepoint (°C/°F)	-37/ -34	ASTM D1177
Foam volume (mL)	150 max.	ASTM D1881
Foam break time (second)	5 max.	ASTM D1881
Reserve Alkalinity (mL)	3.4 min.	ASTM D1121
Chloride (ppm)	25 max.	ASTM D3634
Silicon (ppm)	250 max.	ASTM D6130
Colour	Green	
Glycol Content (wtg.%)	46 min.	
Inhibitors and Water Content (wtg.%)	54 max.	
bMeasured at 15.6oC/60oF		

Values shown are for 50-50 pre-diluted coolant. ^b Measured at 15.6°C/60°F

