ANTIFREEZE COOLANT
PRE-MIX

50/50 ANTICONGELANTE/ REFRIGERANTE PREDILUIDO

MOTOR STAR 50-50 Premix Antifreeze/Coolant meets or exceeds performance requirements of ASTM D3306, BS6580 and VW TL 774F. It is recommended for use in Audi, VW, Porsche and other newer model foreign cars and light duty gasoline or diesel engine vehicles requiring a nitrite, amine and phosphate (NAP) free, OAT engine coolant. This ethylene glycol based antifreeze/coolant uses Hybrid Organic Acid Technology (HOAT) to provide extended protection against rust, corrosion and pitting caused by cavitation for all coolant system metals, including aluminum. Protects 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). *When added as an initial fill and properly maintained in accordance with engine manufacturer's maintenance recommendation, this coolant will provide up to 250,000 km or 5 years of service life protection in automotive applications. For best results, do not mix with conventional high pH, phosphate, borate or silicate based coolants.

APPLICATION
Newer model foreign cars & light duty gasoline or diesel engine vehicles.

RECOMMENDED FOR
Audi, VW, Porsche

FORMULATION FEATURES
Low silicate OAT. Nitrite, amine & phosphate (NAP) free.

PERFORMANCE FEATURE
Aluminum compatible

MEETS OR EXCEEDS PERFORMANCE REQUIREMENTS OF
ASTM D3306; BS6580; VW TL 774F

RECOMMENDED CHANGE INTERVAL
250,000 km* or 5 years service protection

COOLANT COMPATIBILITY
This product provides excellent coolant-to-coolant compatibility with all coolant technology, however for best results, do not mix with conventional high pH, phosphate, borate or silicate based coolants.

Typical Product Properties

Characteristic	Performance	TEST METHOD
pH	7.8 - 9.0	ASTM D1287
Specific gravity[b]	1.065 - 1.080	ASTM D1122
Freeze point, °C/°F	-37/ -34	ASTM D1177
Foam volume, ml	150 max.	ASTM D1881
Foam break time, second	5 max.	ASTM D1881
Reserve Alkalinity, ml	1.5 min.	ASTM D1121
Chloride, ppm	25 max.	ASTM D3634
Colour	Red	
Glycol Content (wgt.%)	47 min.	
Inhibitors and Water Content (wgt.%)	53 max.	

b Measured at 15.6°C/60°F

-34.6°F ANTIFREEZE PROTECTION

+262°F ANTI BOIL PROTECTION

100% ANTI CORROSSION PROTECTION