



Topper Antifreeze/Coolant is a premium ethylene glycol product for year-round use in conventional metal and aluminum engine cooling systems of automobiles, trucks, marine and stationary equipment and heavy-duty diesel engines (with the use of SCA) formulated with a low silicate type rust and corrosion inhibitor system that effectively alleviates gel formation problems and prevents loss of radiator heat transfer capacity. Topper Antifreeze Pre-Diluted 50/50 is a 50/50 volume blend of Topper Antifreeze/Coolant with deionized water for pet and child protection.

FEATURES AND BENEFITS:

- Universal formula for automotive and heavy-duty diesel engines (ASTM D 3306 and ASTM D 4985).
- Excellent heat transfer properties.
- Premium antifoam properties.
- Premium corrosion protection for aluminum, brass, copper, solder, steel, and cast iron.
- Low-silicate formulation.
- Nitrite-, amine-, and borax-free.
- The concentrate mixes easily with clean tap water.
- The pre-diluted product is ready to use and requires no top-up or initial fill.
- Compatible with cooling system filters.
- Compatible with supplemental coolant additives for heavy-duty diesel.
- Compatible with conventional coolant brands.
- 100% biodegradable in its pure, unused form.
- Contains bittering agents for animal and child protection.

APPLICATIONS:

Topper Antifreeze/Coolant is formulated to meet the stringent aluminum corrosion protection requirements of today's automotive engines. Due to its low silicate concentration, it also meets the requirements of Cummins and other heavy-duty diesel engine manufacturers. This product is also designed for use in industrial internal combustion engines that require an antifreeze/coolant to provide protection against freezing, boiling, and corrosion. Topper Antifreeze/Coolant is suitable for use where the following specifications are required:

- AAMV
- General motors GM1825M
- ASTM D 3306 inc. d4340
- ASTM D 4985
- ASTM D 6210
- Crylers MS-7070
- CUMMINS 90T8-4
- Federal specification A-A-870
- FORD ESE- M97B44-A and MAC TRUCK
- DETROIT DIESEL 7SE298 and FREIGHTLINER
- GENERAL MOTORS GM 1899 M(performance corresponding to GM6038M)
- CATERPILLAR E-C1
- J.I.CASE JIC501
- JOHN DEERE H24B1 and JOHN DEERE H24C1
- PACCAR
- SAE J11034
- TMC RP329 and TMC OF ATARP-302A



MADE IN U.S.A.



***ALWAYS FOLLOW THE MANUFACTURE'S LUBRICATION RECOMENDATIONS FOR YOU VEHICLE**

www.mandjsunshine.com

Manufactured by: M & J Sunshine, Corp
Miami, FL 33167



RECOMMENDATIONS OR APPROVALS/LICENSES:

Topper Antifreeze/Coolant complies with:

- ASTMD 3306 for automotive service
- ASTMD 4985 for heavy-duty diesel service

Topper Antifreeze/Coolant Prediluted 50/50 complies with

- ASTMD 4656 for premixed automotive service
- ASTMD 5345 for heavy-duty premixed diesel service

SPECIAL HANDLING, NOTICES, OR WARNINGSTopper Antifreeze/Coolant has an approximate shelf life of 18 months. The concentrated product must be mixed before use. Always dispose of coolant according to local, state, and federal guidelines. These products should not be used to protect the interior of potable water systems from freezing.

TOPPER ANTI-FREEZE/COOLANT		
PROPERTIES TYPICAL	CONCENTRATE	TYPICAL 50/50
APPEARANCE	FLUORESCENT GREEN	FLUORESCENT GREEN
SPECIFIC GRAVITY60/60 F	1.130	1.06
PUNTO DE CONGELACION F (ASTDM D177)	-34	-34
pH (ASTM D 1287), DILUTION 1:2 WITHWATER	10.5	10.3
RESERVE ALKALINITY (ASTM D 1121) RECEIVED	12.0	6.0
SILICATE %	0.09	0.045



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