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DATA SHEET

AMSOIL Antifreeze & Coolant

Ethylene Glycol 50/50 Pre-Mix Formulations



AMSOIL Passenger Car/Light Truck Antifreeze & Coolant (ANTPC) and Heavy-Duty Antifreeze & Coolant (ANTHD) provide superior heat transfer and excellent protection against corrosion, cylinder-liner cavitation, freezing and boil-over. They provide maximum protection in extreme temperatures and operating conditions, and they provide superior protection for aluminum, steel, cast iron, copper, brass and solder alloys.

Help Prevent Metallic Corrosion and Erosion

Third-party tests reveal AMSOIL antifreeze/coolants greatly surpass standards for metallic corrosion and erosion, achieving nearly perfect scores in ASTM corrosion and erosion testing on cast aluminum cylinder heads, steel, copper, solder, brass and cast iron and aluminum water pumps.

Anti-Scale

AMSOIL antifreeze/coolants are proprietary formulations that do not contain phosphate, nitrite, silicate, borate or amine found in conventional antifreeze/coolants. These materials are responsible for almost all scaling issues in cooling systems, and they can also precipitate to form scale if the antifreeze/coolant inhibitor system is at the wrong pH or mixed with incompatible products. AMSOIL antifreeze/coolants virtually eliminate scaling problems.

Cavitation/Pitting Protection

AMSOIL Heavy-Duty Antifreeze & Coolant effectively protects cylinder liners against cavitation erosion/corrosion pitting, without the problems associated with nitrite technology. Nitrites can cause aluminum corrosion, and they are being banned from coolants used by a growing number of manufacturers in both the heavy-duty and automotive markets. AMSOIL Heavy-Duty Antifreeze & Coolant features top-performing technology that performs extremely well in ASTM D7583 (John Deere Cavitation Test) testing.

Long-Life Formulations

AMSOIL antifreeze/coolants' proprietary formulations provide durable and long-lasting protection of cooling system components. AMSOIL Passenger Car/Light Truck Antifreeze & Coolant can be used for 150,000 miles (241,000 km) or five years, whichever comes first, in passenger cars and light trucks. AMSOIL Heavy-Duty Antifreeze & Coolant can be used for 1,000,000 miles (1,609,344 km), 20,000 hours of operation or eight years, whichever comes first, in heavy-duty and off-road applications.

Compatible With Other Fluids

AMSOIL antifreeze/coolants are compatible with all ethylene and propylene antifreeze and coolant colors, as well as all plastics and elastomers (hoses, gaskets, etc.) found in cooling systems. Mixing propylene- and ethylene-glycol formulations, however, can make predicting freeze protection difficult. If mixing for top-off is unavoidable, we recommend flushing the cooling system at the next convenient opportunity.





In third-party, industry-standard testing, cast-iron and copper plates protected by AMSOIL show virtually no signs of corrosion.[1]



In third-party, industry-standard testing, cylinder liners protected by AMSOIL show virtually no signs of cavitation.[2]

[1]Based on results of the ASTM D2570 corrosion test

[2]Based on results of the ASTM D7583 cavitation test

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HEAVY-DUTY ANTIFREEZE & COOLANT (ANTHD)

- Pre-mixed 50/50 with high-purity water.
- Fully formulated – DOES NOT require the use of supplemental coolant additives (SCAs) or extenders.
- Proprietary hybrid organic acid (HOAT) formulation is further enhanced with anti-scalant, anti-fouling and water-pump lubrication additives.
- Phosphate-, nitrite-, silicate-, borate and amine-free.
- Boil-over protection up to 265°F (129°C) with a 15 psi radiator cap.
- Freeze protection down to -34°F (-37°C).

APPLICATIONS

Use in applications requiring any of the following specifications: ASTM D3306, D6210, D7583, D7820 • TMC RP329B, TMC RP338 • AS/NZS 2108.2004 Type A

Suitable for use with the following: Case New Holland • Cummins 14603 • Cummins 3666132 • DDC 7SE 298, 93K217 • Freightliner 48-22880 • GM Heavy Truck • International Truck and Engine / Navistar CEMS B-1 Type III-A • JIS K2234 • MAN 324 NF • MB DBL 7700, MB-Approval 325.3 • MTU MTL 5048 • Kenworth RO26-170-97 • Mack 014GS17004, 014GS17009 • PACCAR CS0185 • DAF MAT 74002 • Peterbilt 8502.002 • Scania TB1451 • Volvo Heavy Truck

SERVICE LIFE

Protection up to 1,000,000 miles (1,609,344 km), 20,000 hours or 8 years, whichever comes first.

Heavy-Duty Antifreeze & Coolant is the best option for mixed fleets of both passenger-vehicle and heavy-duty applications that want to use one antifreeze/coolant. Heavy-Duty Antifreeze & Coolant can be used in non-heavy-duty applications, but with a drain interval of 150,000 miles (241,000 km) or five years, whichever comes first.

Directions for Use

- Do not add water.
- Do not remove radiator cap when engine is hot.
- Antifreeze/coolant (new or used) is hazardous. Clean up and dispose of properly following local regulations.
- Check and maintain coolant level at every oil-change interval.
- Check owner's manual for additional maintenance and top-off guidelines.

PASSENGER CAR/LIGHT TRUCK ANTIFREEZE & COOLANT (ANTPC)

- Engineered to exceed original equipment manufacturer (OEM) requirements.
- Pre-mixed 50/50 with high-purity water.
- Unique poly-organic acid (OAT) formulation imparts multi-vehicle application.
- Phosphate-, nitrate-, nitrite-, silicate-, borate- and amine-free.
- Boil-over protection up to 265°F (129°C) with a 15 psi radiator cap.
- Freeze protection down to -34°F (-37°C).

APPLICATIONS

Formulated for use in ALL domestic and import passenger cars and light trucks.

Engineered to meet original equipment manufacturer (OEM) specifications Chrysler MS 12106, GMW 3420, GM 6277M, JIS K2234, VW TL 774D, Ford WSS-M97B44-D and ASTM D3306 requirements.

SERVICE LIFE

Protection up to 150,000 miles (241,000 km) or 5 years, whichever comes first, in passenger cars and light trucks.

Directions for Use

- Do not add water.
- Do not remove radiator cap when engine is hot.
- Antifreeze/coolant (new or used) is hazardous. Clean up and dispose of properly following local regulations.
- Check owner's manual for maintenance and top-off guidelines.

PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended applications and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available online at AMSOIL.com or upon request at (715) 392-7101. **Keep Out of Reach of Children**. Recycle used antifreeze/coolant and bottle.

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AMSOIL The First in Synthetics®

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