



Product Name

H-Go Multi-Vehicle Antifreeze

Introduction

This product contains inhibited ethylene glycol.

H-Go Multi-vehicle Antifreeze meets the performance requirements of cooling systems for both cars and heavy vehicles. It can be used in vehicles using an engine of the diesel, gasoline or natural gas type.

This product is ready to use and does not require any additional additive since high-performance Supplemental Coolant Additives (SCAs) have already been added. The SCAs contain nitrite and borate, which allows a higher protection of the components of heavy trucks. It protects against corrosion in all high-performance cooling systems and its formulation is compatible with all antifreezes of the major original equipment manufacturers. The additives is low silicate and phosphate-free formula.

Warning

H-Go Multi-vehicle Antifreeze must not be used in concentrated form in a vehicle. A 50% dilution is recommended for optimal protection against corrosion and overheating in summer. The water/antifreeze ratio can be 67%/33% maximum (spring, summer, autumn); for maximum protection in winter this ratio can be 60%/40% maximum. The mineral composition of water is an important factor that can harm the protective power of any antifreeze against long-term corrosion. Water quality must comply with ASTM D-3306, specifications for antifreeze containing glycol.

The antifreeze must be checked annually or each time the vehicle undergoes maintenance. When the level is down, more must be added. If you do not check the level, replace it every two years.

Characteristics

The formulation of this antifreeze meets or exceeds the required performance according to specifications :

- Limits of corrosion established according to ASTM D-3306, ASTM D-4985, ASTM D-6210 and ASTM D-4340;
- SAE-J034, SAE-J1941 and federal standard O-A-548D;
- Cummins requirements for a low silicate content for large engines, Cummins CES 14603, 90T8-4;
- TMC RP329, GM1825M, GM1899M;
- MS7170 MACK;
- Detroit Diesel 7SE298;
- Freightliner 48-2288 ;
- John Deere 8650-5, H24B1, H24C1;
- Caterpillar, Navistar, PACCAR, Volvo, GM, Case Corp., Ford New Holland 9-86;
- EMD M.I 1748E;
- Thermo-King Waukesha 4-1974D;
- Chrysler MS 7170;
- Ford ESE-M97B-44A;
- TMC TP 302B.

Maintenance of the Antifreeze

In order to ensure optimal antifreeze performance, you are advised to conduct the following checks:

- After 32,000 km, 3 months or 500 hours, whichever comes first;
 - Check the nitrite concentration with a test strip;
 - Add additives (SCAs) or dilute the antifreeze if necessary.
- After 480,000 km or 2 years, whichever comes first;
 - Drain and clean the cooling system;
 - Fill with new antifreeze.



Characteristic Properties vs. Concentration

Multi-Vehicle **HGO** Antifreeze

Properties ¹	Concentration	Ready to use 50/50	Ready to use 55/45	Ready to use 60/40
Ethylene glycol	95%	48%	53%	58%
Performance additives and water	5%	52%	47%	42%
Appearance	Liquid, clear, green	Liquid, clear, green	Liquid, clear, green	Liquid, clear, green
Relative density (15/15 °C, 60/60 °F)	1.120 – 1.140	1.060 – 1.090	1.068 – 1.091	1.075 – 1.099
pH 50% glycol	7.5 – 11.0	7.5 – 11.0	7.5 – 11.0	7.5 – 11.0
Reserve alkalinity (min.)	6	3	2	2
Maximum freezing point (at 50%)	-13 °C / -9 °F	-37 °C / -34 °F	-45 °C / -49 °F	-50 °C / -58 °F

¹Concentrate based on the volume of ethylene glycol. Mixtures based on the volume of the cooling liquid for H-Go Multi-vehicle.

Health and Safety

Ethylene glycol is the main component of H-Go Multi-vehicle Antifreeze, and the latter is toxic to humans and animals if ingested. This product must be kept in a hermetically closed container and a detailed warning must appear on the container. Make certain that the product is beyond the reach of children.

To obtain more health safety information on this product, contact *Harnois Énergies* to receive a Material Safety Data Sheet.

Environmental Aspects

This antifreeze should not be poured into the sewers. When the antifreeze has been used up, it must be disposed of at a center authorized for this purpose. In the event of a spill, please follow current regulations and protect the environment.

The product's characteristic properties should not be interpreted as specifications. As the conditions in which it is used are not under the control of *Harnois Énergies*, the latter is unable to guarantee the results of its use, either implicitly or explicitly.

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