

Product Name

H-Go Heavy-Duty Long-life Antifreeze

Available Formats

Formats	Product codes
3.78L	6000850316 (case of 4)
208L	6000850308
1250L	6000850000 (bulk)

Introduction

This product contains inhibited ethylene glycol.

H-Go Heavy-Duty Long-life 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.

H-Go Heavy-Duty Long-life Antifreeze features the organic acid technology (OAT) and is compatible with all antifreezes of the major original equipment manufacturers.

This product is ready to use and does not require any additional additive thanks to high-performance Supplemental Coolant Additives (SCAs) added to it. The SCAs contain nitrite and molybdate; they enable a more efficient protection of heavy trucks' components. It protects against corrosion in all high-performance cooling systems and its formulation does not contain amines, phosphate and silicate.

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 and ASTM D-6210;
- CAT ELC (EC-1);
- Cummins 90T8-4;
- Detroit Diesel 7SE298;
- Freightliner 48-22880;
- GM 1825/1899M/6277M;
- SAE J1034/J1038;
- TMC RP329;
- Japanese Standard JIS K2234;
- MTU MTL 5048;
- CID-A-A-52624.



Instructions for Use

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

- Follow regular maintenance requirements from OEM and engine manufacturing.
- After 960,000 km, 6 years or 12 000 hours, whichever comes first;
- Drain and clean the cooling system;
- Refill with new antifreeze.

Warning

H-Go Heavy-Duty Long-life 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

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must be added. If you do not check the level, replace it every two years.

Health and Safety

Ethylene glycol is the main component of H-Go Heavy-Duty Long-life 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.

Characteristic Properties vs. Concentration

Heavy-Duty Long-life **HGO** Antifreeze

Properties ¹	Concentration	Ready to use 50/50	Ready to use 55/45	Ready to use 60/40
Ethylene glycol	91%	48%	53%	57%
Performance additives and water	9%	52%	47%	43%
Appearance	Liquid, clear, red	Liquid, clear, red	Liquid, clear, red	Liquid, clear, red
Relative density (15/15 °C, 60/60 °F)	1.103 – 1.133	1.057 – 1.087	1.07 – 1.10	1.08 – 1.16
pH 50% glycol	8.2 – 9.2	8.2 – 9.2	8.2 – 9.2	8.2 – 9.2
Reserve alkalinity (min.)	3.5	1.5	1.0	1.0
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 Heavy-Duty Long-life.

Conditions of use and the applicable laws differ from one place to another and can change over time, the CUSTOMER is responsible for determining whether the information contained in the present data sheet and the products described in it are suitable for the CUSTOMER's use, and for ensuring that workplaces and product disposal practices comply with the applicable laws and other governmental regulations. The SELLER assumes no responsibility or obligation with regard to the information contained herein.

NO GUARANTEE IS GRANTED; ALL IMPLIED GUARANTEES OF MARKETABLE QUALITY AND SUITABILITY FOR A PARTICULAR USE ARE EXPRESSLY EXCLUDED.