

# HOUGHTON CHEMICAL CORPORATION

52 Cambridge Street, Allston (Boston), MA 02134

Phone: (800) 777-2466 Fax: (617) 254-2713

[www.houghton.com](http://www.houghton.com)



## Pah|nol® Gold Automotive Antifreeze Product Data Sheet

### Inhibited Ethylene Glycol-based Antifreeze Coolant

This borate-, nitrite-, amine-, phosphate- & silicate- (NAPS) free product, formulated with the latest organic acid technology (OAT) to create a high quality extended life ethylene glycol antifreeze/coolant, can be used to fill newer model or top-off all cars and light duty trucks. Its special blend of long-lasting inhibitors is designed to protect all engine cooling systems for a minimum of five years or 150,000 miles, when used as directed.

For health and safety information for this product, contact Houghton Chemical Corporation for a Safety Data Sheet (SDS).

Pah nol® Gold Automotive Antifreeze Typical Properties by Concentration		
Properties <sup>1</sup>	Conc.	50%
Ethylene Glycol	92%	50%
Performance Additives and Water	8%	50%
Appearance	Liquid, Clear, Gold	Liquid, Clear, Gold
Specific Gravity (15/15°C 60/60°F)	1.097 - 1.127	1.055-1.085
pH 50% glycol	8.0 - 9.0	8.0 - 9.0
Reserve Alkalinity (minimum)	3	1
Freeze Point Max	-34°F / -37°C (as 50%)	-34°F / -37°C

<sup>1</sup>Concentrate based on volume of Ethylene Glycol, mixtures based on volume of Pah|nol® Gold Automotive Antifreeze

Use Recommendation: For long life and best corrosion protection, a 50% Pah|nol® Gold Automotive solution is recommended. Use only water of good quality (see ASTM D3306, General Requirements for water quality). This provides freezing protection to -34°F, and boil-over protection to +265°F, using a 15 pound pressure radiator cap. For HVAC systems, recreational vehicles, and protection of other Hydronic systems, please consult the heat transfer fluids section of our website or call us for suggestions.

Formulated to Satisfy: ASTM D3306, ASTM D4985, SAE J1034, SAE J1941, SAE J814 and Federal Specification OA548D. Pah|nol® Gold is compatible with GM 6277M DEX Cool.

Cautionary Information: Ethylene glycol, the major component of Pah|nol® Gold Automotive, is poisonous to humans and animals when ingested. Store only in closed containers with complete cautionary information thereon, in a cool, secure place, out of reach of children. Do not use in any system connected with potable water. Ask us about other Houghton Chemical products specifically designed for this purpose.

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