

HOUGHTON CHEMICAL CORPORATION

52 Cambridge Street, Allston (Boston), MA 02134

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

www.houghton.com



Pah|nol® Gold Antifreeze Product Data Sheet

Inhibited Ethylene Glycol-based Antifreeze Coolant

This product, formulated with the latest nitrite-organic acid technology (NOAT) to create a high quality extended life ethylene glycol antifreeze/coolant for newer model cars and heavy duty trucks, can be used for top-off or fill. Its special blend of long-lasting inhibitors is designed to protect all engine cooling systems for a minimum of five years or 300,000 miles, when used as directed. There is also an extender available that will provide an additional 300,000 miles.

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

Pah|nol® Gold Antifreeze Typical Properties by Concentration

Properties ¹	Conc.	50%
Ethylene Glycol	92%	46%
Performance Additives and Water	8%	54%
Appearance	Liquid, Clear, Gold	Liquid, Clear, Gold
Specific Gravity (15/15°C 60/60°F)	1.120 - 1.140	1.060 - 1.090
pH 50% glycol	7.5 - 9.0	7.5 - 9.0
Reserve Alkalinity (min)	3	1
Freeze Point Max	-34°F / -37°C (as 50%)	-34°F / -37°C

¹Concentrate based on volume of Ethylene Glycol, mixtures based on volume of Pah|nol® Gold Antifreeze

Use Recommendation: For long life and best corrosion protection, a 50% Pah|nol® Gold solution is recommended. If water condition is questionable, we recommend distilled water. 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.

Pah|nol® Gold is formulated to satisfy the following specifications: ASTM D6210, ASTM D3306, ASTM D4985, SAE J1034, SAE J1941, Federal Specification OA548D, Caterpillar EC-1, Cummins CES 14603, Detroit Diesel 7SE29898 05, Ford WSS-M97BS1-A1, & Mack 14GS17004. Pah|nol® Gold is compatible with GM 6277M DEX Cool.

Cautionary Information: Ethylene glycol, the major component of Pah|nol® Gold, 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.

Typical properties, not to be construed as specifications. As use conditions are not within its control, Houghton does not guarantee results from use of the information or products herein; and gives no warranty, express or implied.

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Date Revised: 4/19/2016

W:\Administration\MSDS, Test Reports, Product Data Sheets\Product Data Sheets\Antifreeze\Pahnol Gold Antifreeze Product Data 160419.docx