

HOUGHTON CHEMICAL CORPORATION

52 Cambridge Street, Allston (Boston), MA 02134
Phone: (800) 777-2466 Fax: (617) 254-2713
www.houghton.com



SECURITY® Extended Life Antifreeze Product Data Sheet

Inhibited Ethylene Glycol-based Antifreeze Coolant

This product is formulated with the latest nitrite-organic acid technology (NOAT) and is “precharged” creating a high quality extended life ethylene glycol antifreeze/coolant for heavy duty use. Its special blend of long-lasting inhibitors is designed to protect all engine cooling system components, including aluminum, for a minimum of five years, or 300,000 miles, when used as directed. There is also an extender available that will provide protection for an additional 300,000 miles.

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

SECURITY® Extended Life Antifreeze Typical Properties by Concentration

Properties ¹	Conc.	50%
Ethylene Glycol	92%	46%
Performance Additives and Water	8%	54%
Appearance	Liquid, Clear, Red	Liquid, Clear, Red
Specific Gravity (15/15°C 60/60°F)	1.120 - 1.140	1.06 - 1.10
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 SECURITY® Extended Life Antifreeze

Use Recommendation: For long life and best corrosion protection, a 50% SECURITY® Extended Life solution is recommended. Water quality can be an important factor affecting the long-term corrosion protection of any antifreeze. 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.

SECURITY® Extended Life 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. SECURITY® Extended Life is compatible with the extended life coolant products of other major producers.

Cautionary Information: Ethylene glycol, the major component of SECURITY® Extended Life, 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.

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