

Houghton Chemical Corporation

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SECURITY® XL Nitrite & 2EH Free

Inhibited Ethylene Glycol Antifreeze/Coolant

This Nitrite-, Amine-, Phosphate-, & Silicate- (NAPS) free product is formulated with 2-ethylhexanoate-free organic acid technology, creating 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 for a minimum of five years, or 600,000 miles, when use as directed.

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

SECURITY® XL Nitrite & 2EH Free

Typical Properties by Concentration

Typical Properties	Concentrate	50%(-v/v of SECURITY® XL Nitrite & 2EH Free)
Ethylene Glycol	80-90%	44.0%
Performance Additives and Water	10-20%	56.0%
Appearance	Liquid, Clear, Red or Yellow	Liquid, Clear, Red or Yellow
Specific Gravity (60/60°F / 15/15°C)	1.1137 - 1.1337	1.060 - 1.090
pH 50%	7.5 - 9.0	7.5 - 9.0
Reserve Alkalinity (Report only; typical properties)	12	6
Freeze Point (°F) Maximum @ 50%	-34°F / -37°C	-34°F / -37°C

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

Use Recommendation: For long term life and best corrosion protection, a 50% Security® XL Nitrite & 2EH Free 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.

Formulated to Satisfy: ASTM D3306, ASTM D6210, TMC RP329, SAE J1034, SAE J1941, Detroit Diesel 7SE 298 98 05, Cummins CES 14603 & CES 14439, and CAT EC-1; satisfies both hot surface aluminum protection requirements of ASTM D4340 and current heavy duty extended life products of other major producers.

Cautionary Information: The ingredients of Security® XL Nitrite & 2EH Free (including Ethylene glycol), are 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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