

SECURITY[®] Extended Life Nitrite Free Product Data Sheet

Inhibited Ethylene Glycol Antifreeze/Coolant

This product is formulated with the latest 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 Material Safety Data Sheet (MSDS).

SECURITY[®] Extended Life Nitrite Free (SEL-NF)

Typical Properties by Concentration

Typical Properties	Conc. (~volume of EG) Item #3458	50% (~v/v of SEC-NF) Item #0180
Ethylene Glycol	92	46
Performance Additives and Water	8	54
Color	Yellow	Yellow
Clarity	Clear	Clear
Specific Gravity (15/15°C 60/60°F)	1.12-1.14	1.06-1.09
pH 50%	7.5-8.5	7.5-8.5
Reserve Alkalinity (min)	4	2
Freeze Point (°F) Max @ 50%	-34	-34

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.

Use Recommendation: For long term life and best corrosion protection, a 50% Security[®] Extended Life Nitrite 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 and SAE J1941; satisfies both hot surface aluminum protection requirements of ASTM D4340 and Cummins heavy duty low silicate requirements with current heavy duty extended life products of other major producers.

Cautionary Information: Ethylene glycol, the major component of Security[®] Extended Life Nitrite Free, 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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