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## **VEXTROM EXTENDED LIFE ANTIFREEZE + COOLANT 50/50**

Extended life antifreeze and coolant formulated with an exclusive new generation of Organic Acid (Additive) Technology (OAT) for use in all heavy duty trucks and automobiles, regardless of make, model, year or original antifreeze color.

This advanced multi-functional organic acid technology (MFOAT) combines three types of corrosion protection in one molecule, and uses this in combination with other organic di-acids and azoles, resulting into a superior type of additive/corrosion inhibitor system that helps the cooling system run more efficiently, extends engine life and avoid premature water pump failure

- Provides cooling system protection for 600,000 on-road miles, or longer. In off-road and stationary engines provides 12,000 hours or 6 years of protection, whichever comes first.
- Provides superior corrosion protection and durability under the more demanding conditions of higher combustion temperatures and cylinder pressures of the latest low-emission engines.
- Designed to protect all types of metal, such as the aluminum and magnesium alloys being used in today's high-performance engines, as well as traditional engine metals (Steel, cast iron, copper, brass and solder). It also has high compatibility with non- metal components (plastics and elastomer).
- Provides outstanding cylinder liner cavitation/pitting protection.
- Minimizes deposit formation.
- Its coolant's performance is further enhanced with anti-scalant, anti-fouling, and water pump lubrication additives.
- Free of any conventional inorganic salts (nitrite, nitrate, silicate, phosphate and borate), amines or 2- ethylhexanoic acid.
- Compatible with all types of coolant technologies.

### **Specification & Approvals:**

Meets or exceeds the industry specifications ASTM D3306, ASTM D4985, ASTM D6210, TMC of ATA RP 329/338\*, ASTM D6210 (specification for fully-formulated, heavy-duty applications with pre-charged SCA's or extenders). Compatible with "G" Technology Coolants: G11-G12, G12+, G13.

It also meets the non-phosphate requirements of European OEM's and non-silicate requirements of Japanese and Complies with The Maintenance Council of the American Trucking Association.

Notes:

- Prediluted Antifreeze & Coolant with no need to add water.
- Longer service life is possible with a strong coolant maintenance program. It is recommended that in-service coolant be inspected at a 90-day interval to detect any obvious contamination, phase separation, cloudiness, precipitation or significant pH change. A full analysis is recommended at least every 300,000 miles, or when visual and pH checks indicate a Problem

PHYSICAL PROPERTIES		
Antifreeze	Mass %	48.0 min
Corrosion Inhibitors	Mass %	4.0 min
Water	Mass %	48.0 min
Flash Point	°F	None
Weight per gallon at 60°F – 16 °C	lbs	9.0 min
Silicates	Mass %	Nil

CHARACTERISTIC	SPECIFICATION	COMPANY TYPICAL	ASTM METHOD
Chloride	25 ppm, max.	Pass	D3634
Specific gravity , 60/60° F	1.065 min	1.072-1.080	D1122
Boiling Point, 50% V/V ( 15 psi)	260°F min.	265	D1120
Freezing Point, 50% V/V ( 15 psi)	-34°F min	-34	D1177
Effect on engine or vehicle finish	No effect	None	--
Ash content, mass %	2.5 max	1.0	D1119
pH, 50% V/V	8.0-9.0	8.0-8.5	D1287
Reserve alkalinity	3 min.	3.0-3.5	D1121
Color	Distinctive	Red	--
Effect on nonmetals	No adverse effect	Pass	--
Storage stability	None specified	> 1 year	--
Foaming	150 ml vol. max, 5sec. break max.	Pass	D1881