

Universal Extended Life Coolant (UEL)

Prediluted 50/50, Extended Life Antifreeze/Coolant

Industry Standards

This extended-life antifreeze/coolant concentrate meets the following industry specifications:

- ASTM D3306
(automotive/light-duty)
- ASTM D4985
(heavy-duty diesel/low silicate)
- TMC of ATA RP 302A-1*

**The Maintenance Council of the American Trucking Assoc. Antifreeze also meets the non-phosphate requirements of European OEM's and non-silicate requirements of Japanese OEM's*

Contact Information

Antifreeze Recycling
Incorporated
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Overview

Our Prediluted 50/50 Extended Life Antifreeze/Coolant contains a proprietary hybrid organic acid technology (HOAT) inhibitor system that is significantly more durable than conventional additive systems for automotive, light duty and basic heavy-duty service, resulting in a 5-year, 150,000 mile service life. This Extended Life Antifreeze/Coolant contains no phosphates, silicates, nitrates or amines. However, it is a balanced combination of organic and inorganic additives, a true hybrid, and is compatible with both organic acid long life coolants and conventional inorganic salt coolants. In addition, this Extended Life Antifreeze/Coolant will not cause turbidity, precipitation or inhibitor effectiveness reduction when mixed with carboxylate-based coolants such as Dex-Cool or Texaco Extended Life nor with conventional coolants. It is ideal for use in initial fills, coolant change-outs or top-offs.

PHYSICAL PROPERTIES

Antifreeze Glycols	mass %	48.0 min.
Corrosion Inhibitors	mass %	1.1
Water	mass %	49.0 max.
Flash Point	°F	None
Weight per gallon at 60° F-16° C	lbs.	8.8 min.
Silicates	mass %	< 250 ppm

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
40%	-12 max	-24 max	260 min	126 min
50%	-34 max	-36 max	226 min	107 min
70%	-90 max	-67 max	270 min	135 min

**Boiling point shown using conventional 15 psi radiator cap.*

Used antifreeze coolant in most states is not hazardous unless it contains more than 5 ppm of lead. We recommend that spent coolant never be disposed of by dumping into a storm sewer or onto the ground. Instead, contact your local municipality for instructions on where to and how to properly dispose of this coolant and protect our environment.

Extended Life Antifreeze/Coolant Product Data Sheet

Characteristic	Specification	Company Typical	ASTM Method
Chloride	33 ppm, max.		D3634
Specific gravity, 60/60°F	1.065 min		D1122
Boiling Point, 50% V/V	226°F/107°C min.		D1120
Freezing Point, 50% V/V	-34°F/-37°C min.		D1177
Effect on engine or vehicle finish	No effect		--
Ash content, mass %	2.5 max.		D1119
pH, 50% V/V	7.5-11.0		D1287
Reserve alkalinity*	None specified	3 min.	D1121
Water mass %	None specified	49.0 max.	D1123
Color	Distinctive		--
Effect on nonmetals	No adverse effect		--
Storage stability	None specified	> 1 year	--
Foaming	150 mi vol., max. 5 sec. break, max.		D1881

**Reserve alkalinity (RA) is a term used to indicate the amount of alkaline inhibitors present in an antifreeze formulation. It is incorrect to relate a high RA with high-quality antifreeze. Present, state-of-the-art antifreeze formulations contain many new inhibitors which give added protection to certain metals but do not raise the RA numbers.*

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