



Universal Light Duty Antifreeze/Coolant CONCENTRATE

GREEN

Industry Standards

This light-duty antifreeze/coolant meets the following industry specifications:

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

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

OEM Specifications

- Ford ESE-M97B44-A
- GM 6038M
- GM 1825M (Performance spec. for GM 6043M)
- Chrysler MS7170
- VW TL774C (G11)
- Toyota

*Standards listed are per March 2013

Universal Light Duty Antifreeze is used for automotive use in both automotive and heavy duty diesel engines (with the use of SCA's). It contains a non-silicate, phosphate free, inhibitor package that provides excellent all metal protection. It meets the heavy-duty requirements of the trucking industry with less than 0.0125% wt. of silicon. Our proprietary silicate-free corrosion inhibition system protects aluminum better than silicate without the problems of silica gel formation or silicate cloudiness.

This formulation meets the requirements specified by ASTM D3306 for automotive/light duty applications in addition it meets ASTM D4985 for basic heavy duty applications.

This antifreeze/coolant contains inhibitors that provide protection for all cooling system metals. Combined with the glycol base, these inhibitors give year-round protection against freeze-ups, boil-overs and engine cooling system corrosion. The product also includes ingredients to disperse minor oil leakage, prevent fouling, control hot surface scaling and it will not damage auto finishes or rubber parts.

PHYSICAL PROPERTIES		
Antifreeze Glycols	mass %	95.0 min.
Corrosion Inhibitors	mass %	2.2 min.
Water	mass %	2.8 max.
Flash Point	°F	250°F
Weight per gallon	lbs. @ 70°F	9.25-9.40
Silicates	mass %	< 250 ppm

% Antifreeze	Freezing Point		Boiling Point	
	°F	°C	°F	°C
40%	-9 max	-22 max	260 min	126 min
50%	-34 max	-36 max	266 min	130 min
70%	-84 max	-64 max	280 min	138 min

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

Contact Information

SUMMIT LUBRICANTS
 1320 1st Street
 Rock Island, IL 61201



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Characteristic	Typical Physical Characteristics	ASTM Method
Chloride	25 ppm, max.	D3634
Specific gravity	1.110-1.120	D1122
Boiling Point, undiluted	325°F/162°C min.	D1177
Boiling Point, 50% V/V	226°F/107°C min.	D1120
Freezing Point, 50% V/V	-34°F/-36°C min.	D1177
Effect on engine or vehicle finish	No effect	--
Ash content, mass %	2.5 max.	D1119
pH, 50% V/V	9.5-10.5	D1287
Reserve alkalinity*	10 min.	D1121
Water mass %	2.8 max.	D1123
Color	Green	--
Effect on nonmetals	No adverse effect	--
Storage stability	None specified	--
Foaming	150 ml vol., max. 5 sec. break, max.	D1881
<p><i>*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. Many antifreeze formulations contain new inhibitors which give added protection to certain metals but do not raise the RA numbers.</i></p>		

NOTE: 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.