

TEC-KOOL Universal Green
For cars, light-duty & heavy-duty trucks*

Concentrate

TEC-KOOL[®]

UNIVERSAL



- Low-Silicate is formulated for vehicles already using a conventional coolant.
- Meets or exceeds ASTM requirements for cars, light-duty, and heavy-duty trucks.
- Full protection for at least one year.

* Use of Supplemental Coolant Additives (SCAs) where required for heavy-duty applications.

Meets or exceeds the following performance requirements and industry specifications:

Automotive:

- ASTM D3306
- Chrysler[®] MS 7170
- GM[®] 1825M
- Ford[®] ESE-M97B-44-A
- John Deere[®] H24C1
- SAE J1034

Heavy-Duty:

- ASTM D4985
- TMC RP302C
- GM[®] 1899M
- John Deere[®] H24B1
- SAE J1941
- Navistar[®] B1

TEC-KOOL Universal Green for cars, light duty & heavy duty trucks* - Conventional Antifreeze/Coolant is used for automotive, light-duty and basic heavy-duty service. It contains a non-silicate, phosphate free, inhibitor package that provides excellent all metal protection, and it meets the heavy-duty requirements of the trucking industry (less than 0.0125% wt. Silicon). A 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 D4985 for heavy-duty applications, with the addition of a supplemental coolant additive (SCA), and ASTM D3306 for automotive and light-duty applications.

In addition, **TEC-KOOL Universal Green for cars & light-duty trucks - Conventional Antifreeze/Coolant** contains an advanced inhibitor system that provides a wide range of inhibitors that protect all cooling system metals. Together with the glycol base, these inhibitors plus other additives, give year-round protection against freeze-ups, boil-overs and engine cooling system corrosion. This antifreeze/coolant includes ingredients to disperse minor oil leakage, prevent fouling, control hot surface scaling, and it will not damage auto finishes or rubber parts.

	Product Number	UPC Code	Pack
Concentrate	1031012270CONC	859862007579	6/1 Gallon
	1031021530CONC	859862007586	Drum
	1031020270CONC	859862007616	275 Gallon Tote
	1031020270CONC	859862007623	330 Gallon Tote
50/50 Premix	10310122750/50	859862007562	6/1 Gallon
	10310212750/50	859862007593	Drum
	10310202750/50	859862007609	275 Gallon Tote
	10310202750/50	859862007630	330 Gallon Tote

*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.

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Physical Properties		
Antifreeze Glycols	Mass %	95.0 min.
Corrosion Inhibitors	Mass %	2.2 min.
Water	Mass %	2.8 max.
Flash Point	°F	241° F
Weight per gallon at 60°F -16°C	Lbs.	9.35-9.45 min.
Silicates	Mass %	<250 ppm

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
40%	-9 max.	-22 max.	220 min.	104 min.
50%	-34 max.	-36 max.	226 min.	107 min.
70%	-84 max.	-64 max.	240 min.	115 min.
*Boiling point shown at atmospheric pressure. Add 40°F for 15psi radiator cap.				

Characteristics	Specification	Company Typical	ASTM Method
Chloride	25 ppm, max.	2	D3634
Specific gravity 60/60°F	1.110-1.145	1.120	D1122
Boiling Point Undiluted	325°F/162°C min.	330	D1177
Boiling Point, 50% V/V	226°F / 107°C min.	229	D1120
Freezing Point, 50% V/V	-34F / -36°C min.	-34	D1177
Effect on engine or vehicle finish	No effect	Pass	--
Ash content, mass%	2.5 max.	2.0	D1119
pH, 50% V/V	9.5-10.8	10.5	D1287
Reserve alkalinity*	None specified	10 min.	D1121
Water mass %	None specified	2.8 max.	D1123
Color	Distinctive	Green	--
Effect on nonmetals	No adverse effect	Pass	--
Storage stability	None specified	>1 year	--
Foaming	150 ml rise max. 5 sec. break, max.	Pass	D1881

* Reserve alkalinity (RA) is a value agreed between the customer and supplier. The RA listed above is the typical for the additive package being used.

NOTE: All laws/regulations should be observed when disposing of Antifreeze/Coolant. Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/state/national/international regulations.

TEC-KOOL

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