

TEC-KOOL[®]

UNIVERSAL



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.

- 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

	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.

TEC-KOOL Universal Green Concentrate Antifreeze for cars, light-duty & heavy-duty trucks

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.