



TEC-KOOL®

Universal HD Green SCA Precharged Antifreeze/Coolant

TEC-KOOL® Universal HD Green SCA Precharged Concentrate Antifreeze/Coolant is a non-silicate, non-phosphate formulation that contains the initial charge of supplemental coolant additive (SCA) and a minimum of 2400 ppm Nitrite (as NO₂). It provides outstanding protection from cavitation erosion/corrosion in water pumps and wet sleeve cylinder liners, as well as excellent overall corrosion protection.

In addition, **TEC-KOOL® Universal HD Green SCA Precharged Concentrate Antifreeze/Coolant** contains an advanced inhibitor system that provides a wide range of inhibitors which protect all cooling system metals. Together with the glycol base, these inhibitors combined with other additives, give year-round protection against freeze-ups, boil-overs and engine cooling system corrosion. It also includes ingredients to disperse minor oil leakage, prevent fouling, control hot surface scaling and it will not damage auto finishes or rubber parts.

- **Formulated ethylene glycol-based coolant, precharged with advanced technology supplementals.**
- **Can be used in heavy-duty diesel, gasoline and natural gas engine cooling systems.**
- **Ultimate protection against freezing and boil over.**

Meets or exceeds the following performance requirements and industry specifications:

ASTM D3306, ASTM D4985, ASTM D6210, TMC RP329, Caterpillar®, GCA A-A-52624, CNH EG-3, EG-4, Cummins® 90T8-4, CES 14439, GM®, Ford®, International®, John Deere® H24, JDS-G135, Komatsu®, Kubota®, Volvo/Mack®, Waukesha®.

	PRODUCT NUMBER	CONTAINERS
Concentrate	1031020580CONC	BULK
	1031020580CONC	275 GALLON TOTE
	1031020580CONC	330 GALLON TOTE
50/50 Premix	10310205850/50	BULK
	10310215850/50	DRUM
	10310205850/50	275 GALLON TOTE
	10310205850/50	330 GALLON TOTE

Universal HD Green SCA Precharged Antifreeze/Coolant

Physical Properties	Conc	Premix
Antifreeze Glycols, Mass %	95.0 min.	48.0 min.
Corrosion Inhibitors, Mass %	2.2 min.	1.1 min.
Water, Mass %	2.8 max.	49.0 max.
Flash Point, °F	250	N/A
Weight per gallon at 60°F -16°C	9.35-9.45 min.	8.9 min.
Silicates, Mass %	<250 ppm	<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	Concentrate	Premix
ASTM D3634 - Chloride	25 ppm, max.	2	3
ASTM D1122 - Specific gravity, 60/60°F	1.110-1.145	1.125	1.075
ASTM D1120 - Boiling Point Undiluted	325°F/162°C min.	330	--
ASTM D1120 - Boiling Point, 50% V/V	226°F / 107°C min.	229	229
ASTM D1177 - Freezing Point, 50% V/V	-34F / -36°C min.	-34	-34
Effect on engine or vehicle finish	No effect	Pass	Pass
ASTM D1119 - Ash content, mass%	2.5 max.	2.0	2.0
ASTM D1287 - pH, 50% V/V	9.5-10.8	10.5	10.5
ASTM D1121 - Reserve alkalinity*	None specified	10 min.	5 min.
ASTM D1123 - Water mass %	None specified	2.0 max.	49.0 max.
Color	Distinctive	Green	Green
Effect on nonmetals	No adverse effect	Pass	Pass
Storage stability	None specified	>1 year	>1 year
ASTM D1881 - Foaming	150 ml vol., max. 5 sec. break, max.	Pass	Pass

* 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. 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.

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.