

TEC-KOOL®

UNIVERSAL



TEC-KOOL Universal Blue SCA Precharged for Diesel Engines 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 Blue SCA Precharged for Diesel Engines 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.

TEC-KOOL Universal Blue SCA Precharged for Diesel Engines Concentrate Antifreeze/Coolant also includes ingredients to disperse minor oil leakage, prevent fouling, control hot surface scaling and it will not damage auto finishes or rubber parts.

- Year-round protection against freeze-ups, boil-overs and engine cooling system corrosion
- Protects up to 5 years or 150,000 miles

Meets or exceeds the following performance requirements and industry specifications:

- ASTM D3306
- ASTM D4985
- ASTM D6210
- Caterpillar®
- Cummins® SB 3666132
- TMC RP329B, 338A
- John Deere® 8650-5
- GM® 1899M

	Product Number	UPC Code	Pack
Concentrate		859862007814	6/1 Gallon
		859862007821	Drum
		859862007852	275 Gallon Tote
		859862007869	330 Gallon Tote
50/50 Premix		859862007807	6/1 Gallon
		859862007838	Drum
		859862007845	275 Gallon Tote
		859862007876	330 Gallon Tote

TEC-KOOL Universal Blue SCA Precharged for Diesel Engines Concentrate Antifreeze

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 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	1.125	D1122
Nitrite	2400 ppm min.	2800	D5827
Boiling Point Undiluted	325°F/162°C min.	330	D1120
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	2.0 max.	D1123
Color	Distinctive	Blue	--
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.