Heavy-Duty Conventional Precharged Antifreeze/Coolant 50/50 Premix

SUMMIT all season antifreeze/coolant

GOLD

Industry Standards

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

- ASTM D3306 (automotive/light-duty)
- ASTM D4985 (heavy-duty diesel/low silicate)
- ASTM D6210/11 (fully formulated and precharged)
- TMC of ATA RP 329/330
- TMC of ATA RP302A
  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/Industry standards*

- GM 6038M
- Ford WSS-M97B18-A2
- Chrysler MS7170
- Caterpillar Cat DEAC
- Caterpillar EC-1
- Cummins CES14603 (as found in service bulletin 3666132-02)
- Detroit Diesel 7SE298; DDC Powercool and DDC Powercool 3000
- John Deere JDM H24A1
- Navistar/International B1, Type II (CEMS B-1), with the addition of molybdate per specification
- MIL-CID-A-A-52624A

*Standards listed are per March 2013

Heavy-Duty Antifreeze/Coolant Concentrate is a non-silicate and phosphate free 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, Heavy-Duty 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. This 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.

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

% Antifreeze	Freezing Point		Boiling Point	
	°F	°C	°F	°C
50%	-34 max	-36 max	266 min	130 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, 60/60ºF	1.110-1.125	D1122
Nitrite	2400 ppm min.	D5827
Boiling Point, undiluted	325ºF/162ºC min.	D1120
Boiling Point, 50% V/V	226ºF/107ºC min.	D1120
Freezing Point, 50% V/V	-34ºF/-36ºC 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	Gold	- -
Effect on nonmetals	No adverse effect	- -
Storage stability	> 1 year	- -
Foaming	150 mi vol., max. 5 sec. break, max.	D1881

**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.*

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