

# Super Duty Zero-Nitrite

## Industry Standards

This extended-life antifreeze/coolant meets the following industry specifications:

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

*\*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*

## Contact Information

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Our prediluted -40 is a heavy-duty extended life antifreeze/coolant and contains a proprietary poly-organic/multi-organic acid technology inhibitor system that does not contain any phosphate, silicate, borate, nitrate or nitrite. This coolant meets the performance requirements of ASTM D6210 without nitrite or nitrite/molybdate combination. It does not require a supplemental coolant additive (SCA) for heavy-duty fleet maintenance programs, but still provides wet sleeve cylinder liner cavitation protection due to its unique formulation.

A major advantage of this type of antifreeze is that it provides total cooling system protection for 600,000 on-road miles without the use of additive-containing coolant filters or supplemental coolant additives (SCA's). The addition of an extender at 300,000 miles is the only maintenance required, although, it is recommended that a sample of the coolant be inspected quarterly to detect any problems such as significant color change, pH change, phase separation, precipitation, cloudiness, or obvious contamination. This inspection should be in addition to the parameters that are normally checked in a routine or scheduled maintenance program.

This coolant's all-organic/poly-organic acid formulation has several other advantages. It is compatible with all types of coolant technologies including conventional inorganic acid salt formulations, straight organic acid (OAT) formulations, hybrid organic acid formulations (HOAT), nitrated HOAT formulations (NOAT) and other poly-organic acid formulations. Additionally, This coolant has a low reactivity which makes it less sensitive to contaminants such as motor oil, hard water compounds and other coolants. In fact, it can be mixed with other coolants in any proportion without adverse effects on corrosion protection

This coolant is suitable for passenger cars, vans, SUVs, light trucks, heavy-duty fleet vehicles and many off-road applications such as stationary engine cooling systems. It will provide superior corrosion protection for all cooling system metals, including aluminum, steel, cast iron, copper, brass and solder.

PHYSICAL PROPERTIES		
<b>Antifreeze</b>	Vol. %	53.0 min.
<b>Water</b>	Vol. %	47.0 min.
<b>Flash Point</b>	°F	None
<b>Weight per gallon at 60° F-16° C</b>	lbs.	8.88 min.
<b>Silicates</b>	mass %	Nil

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
50%	-34 max	-36 max	226 min	107 min
<i>*Boiling point shown using conventional 15 psi radiator cap.</i>				

## 50/50 HD Extended Life Antifreeze/Coolant Product Data Sheet

Characteristic	Specification	Company Typical	ASTM Method
Chloride	25 ppm, max.	<10	D3634
Specific gravity, 60/60°F	1.065 min	1.065	D1122
Boiling Point, 50% V/V	226°F/107°C min.	107°C	D1120
Freezing Point, 50% V/V	-34°F/-36°C min.	-40°C	D1177
Effect on engine or vehicle finish	No effect	No effect	--
Ash content, mass %	2.5 max.	0	D1119
pH, 50% V/V	7.5-9.0	~8	D1287
Reserve alkalinity*	None specified	None Specified	D1121
Color	Distinctive	Yellow/Orange/Pink	--
Effect on nonmetals	No adverse effect	No adverse effect	--
Storage stability	None specified	> 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.*

The purchaser hereby waives all guarantees and warranties and all other liabilities, expressed or implied, arising by law or liabilities therefore, expressed or implied, arising by law or otherwise, including without limitation, all obligations and liabilities with respect to loss of use, revenue or profit, or indirect or consequential damages, and any implied warranty of fitness for a particular purpose or of merchantability, or that any information, data or products can be used without infringing patents of third parties. Purchaser agrees to limit its warranty to its customers so as not to increase WEBA Technology's liability beyond that set forth herein and indemnifies and holds harmless WEBA Technology from any liability.