

PURUS® HEAVY DUTY NITRITE-FREE EXTENDED LIFE ANTIFREEZE/COOLANT - **YELLOW**

Manufactured with virgin base products

DESCRIPTION: PURUS® Heavy Duty Nitrite-Free Extended Life Antifreeze/Coolant is a premium quality, Organic Acid Technology (OAT), ethylene glycol-based fluid. Specially formulated with advanced additive technology, this product provides extended service maintenance protection in heavy duty applications without the addition of SCAs, and meets nitrite-free coolant requirements of many industry-leading OEMs.

PERFORMANCE FEATURES:

- Extended service life of 600,000 miles on-road or 12,000 hours of off-road use.*
- Free of phosphates, silicate, nitrites, amines, and borates.
- Offers excellent wet sleeve liner cavitation protection.
- Eliminates maintenance with no SCAs required.
- Provides maximum freeze and boil-over protection.
- Extended life corrosion protection for steel, solder, copper, iron, brass and aluminum.
- High-quality defoamer system, non-harmful to hoses, plastics or gaskets.
- Compatible with all major North American Organic Acid Technology (OAT) formulations.

Always consult your vehicle owner's manual for proper fluid removal and flushing procedures. Typical properties, are not to be construed as specifications.

*To maintain the protection provided by Purus Heavy Duty Nitrite-Free Extended Life Coolant/Antifreeze, the proper level of inhibitor must be present. This can be achieved by topping off the cooling system with Purus Heavy Duty Nitrite-Free Extended Life Coolant/Antifreeze only when required and maintaining the recommended freeze protection.

		Concentrate†	50/50‡
Ethylene Glycol and Inhibitors		98%	51%
Water Content		2%	49%
Properties			
Specific Gravity @ 60°F	D1122	1.118-1.131	1.07-1.08
Flash Point	Tag Open Cup	240°F (116°C)	None
pH	D1287		8.3 - 8.9
Reserve Alkalinity, mL	D1121	6.4 - 10	3.2 - 5
Ash Content	D1119	<5.0	<2.5
Freeze Point	D1177		
50/50 by Volume Solution			-34°F (-37°C)
Boil Point	D1120		
50/50 by Volume Solution		226°F (108°C) ±	265°F (129°C) ±
Foam Test, ml/sec	D1881	<70/2	<50/3



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PURUS® Heavy Duty Nitrite-Free Extended Life Antifreeze/Coolant meets the performance requirements of and is suitable for use for:**

- ASTM D3306
- ASTM D6210
- CAT EC-1
- DDC 93K217
- Navistar CEMS B-1 Type I, II, III, IIIA
- SAE J1941
- TMC RP 329
- TMC RP 338
- Volvo 128603

- Cummins CES 14439

Applicable engines shall not utilize silicone based elastomers in the cooling system or plumbing. This specification is not applicable for engines utilizing copper-brass heat exchangers that utilize high lead solder in repair procedures

* **Meets performance requirements but may or may not meet certain chemical requirements. / ± Under standard pressure/ Using a 15 lb. pressure cap in good condition

† Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all of our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

