



AdvanceGuard™

HD 50 Truck & Tractor Extended Life Antifreeze & Coolant

Product Description

AdvanceGuard HD 50 Truck & Tractor Extended Life Antifreeze is an ethylene glycol-based (EG) coolant-antifreeze designed for use in both stationary and mobile trucks and tractors powered by diesel, gasoline, and natural gas. It is formulated for extended life and corrosion protection in heavy-duty systems. It contains a **long-life inhibitor additive** using advanced hybrid (Nitrite/Molybdate) plus Organic Acid Technology (OAT) coolant inhibitor technology. The AdvanceGuard HD 50 Truck & Tractor EL Antifreeze inhibitors protect against damaging rust and corrosion in stationary industrial engines and cooling systems. Mineral scale deposits are controlled by a high-performance scale inhibition polymer, which improves overall performance in operating systems that encounter poor water quality in the field.

Typical Physical Properties

Form@70°F	Blue-Green Liquid
Glycol Concentration, %	50 (Monoethylene Glycol)
Relative Density 60°F (15.5°C)	1.10 to 1.12
Density, (lbs/gal)	8.1 to 8.5 (typical)
Freeze Point, °F (°C)	-34 (-37) max
Boiling Point, °F (°C)	265 (129) min (29.7 psia)
pH, (10% Solution)	8.5 - 9.5
Dilution Water	Deionized Low TDS (<500 ppm)

Application Information

AdvanceGuard HD Truck & Tractor is ready-to-use and is not diluted further before being added to the coolant system. Existing coolant systems should be cleaned and flushed with AdvanceClean EJC 100 or EJC 200 Engine Jacket Cleaner, followed by a flush with low TDS water to clear the system. Then, the AdvanceGuard HD Truck & Tractor EL Antifreeze / Coolant can be added to the radiator of the vehicle or equipment.

Performance & Compatibility

AdvanceGuard HD Truck & Tractor are formulated to meet or be compatible with the performance requirements of the following industry and OEM standards (based on additive performance).

ASTM D3306, D4985, D6210	SAE J1034, J1038
CAT ELC (EC-1) & Cummins 90T8-4	Detroit Diesel 7SE298
GM 1825M, 1899M, 6277M	Freightliner 48-22880, TMC RP329

Handling & Precautions

AdvanceGuard HD Truck & Tractor is available in 5-gal buckets, 55-gallon drums, 275-gal one-way tote tanks, and bulk truck volumes. **AdvanceGuard HD Truck & Tractor** is an industrial chemical. It should only be handled by individuals who have read and are familiar with the handling precautions outlined in the product's safety data sheet.

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Conventional Characteristics

Appearance	Blue/Green
Specific Gravity, (60/60F) ASTMD1122	1.110
pH (33% solution) ASTMD1287	8.3
Reserve Alkalinity ASTMD1121	5.5
Ash content, % max.	5.0
Freeze Protection (Pressure Independent, ASTMD1177) 60% EG 50% EG 40% EG 30% EG	-67 °F (-54 °C) -34 °F (-37 °C) -8 to -12 °F (-23 °C) 5 °F (-15 °C)
Boiling Protection 15 lb pressure cap (29.7 psia) 60% EG 50% EG 40% EG 30% EG Water	~ 270 - 275 °F (132 - 135 °C) ~ 265 °F (129 °C) ~ 262-267 °F (128-131 °C) ~ 270-275 °F (132-135 °C) ~250 °F (121 °C)
Nitrites	> 400 ppm
Molybdate	> 400 ppm
Silicate, %	- 0 -
Phosphate, %	- 0 -
Amine, %	- 0 -
Borate, %	- 0 -
Nitrates, %	- 0 -
<i>* These values are typical values and should not be used as a quality control parameter either to accept or reject product. Specifications are subject to change without notice.</i>	
Additive Technology	Carboxylic Acid Tolytriazole Nitrites Molybdate
SCA Required	No (optional)
Aluminum compatible	Yes

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