Alliance Standard and Fully Formulated SCA Pre-Charged Heavy-Duty Coolant/Antifreeze

Alliance fully formulated SCA pre-charged heavy-duty coolant/antifreeze is a blend of ethylene glycol and a specially formulated inhibitor package designed for heavy-duty cooling systems applications. The product is designed to eliminate the initial charge of SCAs on new vehicles and recharged systems.

GENERAL PRODUCT INFORMATION

- In the past, antifreeze formulated for heavy-duty applications was achieved by mixing universal or low silicate antifreeze with de-ionized water and supplemental coolant additives (SCA). This resulted in mixing errors when the additional SCAs were added; but now, properly formulated heavy-duty coolant can be achieved by simply mixing Alliance fully formulated SCA pre-charged heavy-duty coolant/antifreeze with ordinary tap water.
- **Caution:** If you use SCA pre-charged antifreeze, reinhibiting (adding back depleted inhibitors that prevent corrosion) is still required at normal PM intervals. Pre-charged antifreeze is very low in total dissolved solids, an advantage that allows you to reinhibit more times than if you started with any other antifreeze and added in SCAs.

TOP SELLERS

Part Number	Description
0WI/AAA001	Standard antifreeze, drum
0WI/AAA0C1	Standard antifreeze, drum
0WI/AAA003	Standard antifreeze, gallon
0WI/AAA0C3	Standard antifreeze, gallon
0WI/ALA001	Pre-charged antifreeze, drum
0WI/ALA0C1	Pre-charged antifreeze, drum
0WI/ALA003	Pre-charged antifreeze, gallon
0WI/ALA0C3	Pre-charged antifreeze, gallon
0WI/ALAS53	Pre-charged/pre-mixed 50/50 antifreeze, gallon
0WI/ALAW51	Pre-charged/pre-mixed 50/50 antifreeze, drum
0WI/ALAWC3	Pre-charged/pre-mixed 50/50 antifreeze, gallon

**C in part number denotes that part is available in Canada.*

APPLICATION DATA

To assure success using Alliance fully formulated SCA pre-charged heavy-duty coolant/antifreeze, the system should be drained and flushed. A 50/50 mix with tap water will assure proper freeze protection/boil-over protection and insure that the proper concentration level of inhibitor is being provided. There is no need to use an initial charge of supplemental coolant additive or a pre-charged spin-on water filter.

Properties	Typical Values	ASTM Test Method (Latest Issue)
Specific gravity @ 60° F.	1.110 - 1.145	D 1122
Boiling Point, Reflux	325° F. Min.	D 1120
Foam Test	50 ml./3 sec., max.	D 1881
pH 50/50 Solution	10.2 - 10.6	D 1287
Flash Point, COC	250° F., Min.	D 92
Total Water	5% Max.	D 1123
Total Glycols	95% Min.	E 202
Freeze Point, 50/50 Solution	-34° F.	D 1177
Total Dissolved Solids	0.9% Max.	Federal #209B
Silicon	250 ppm, Max.	AA

WHEN REPLACING YOUR ANTIFREEZE, CONSIDER THE FOLLOWING:

- Coolant Treatment
- Coolant Filters

FEATURES & BENEFITS

- Low Silicate
- Low Dissolved Solids
- No Phosphates
- No Demineralized Water Required
- Requires No Initial SCA
- State-of-the-Art Scale-Preventing Additives
- Contains Nitrite for Superior Liner Pitting Protection
- Universal Formula: Heavy Duty and Automotive Applications

PERFORMANCE DATA

Meets or exceeds performance requirements of the following heavy-duty specifications:

- TMC RP 329
- ASTM D-4985
- GM 1899M
- SAEJ1941
- Cummins 90T8-4
- Caterpillar
- Volvo-GM Heavy Truck
- Detroit Diesel 7SE298
- Freightliner 48-22880
- John Deere H24A1/ H24C1
- Mack Truck
- ASTM D-6210-98

PRODUCT AVAILABILITY

To locate your nearest dealer, please visit **www.freightliner.com**.

WARRANTY

Alliance Parts are backed by a one-year unlimited mile warranty, with coverage available throughout North America.

PREVENTIVE MAINTENANCE

Over 40 percent of truck downtime is related to cooling system failure. Make smart business decisions by knowing the four major cooling system problems and how to prevent them:

- **Cavitation or Liner Pitting** – To prevent this condition use a cooling system treatment which contains nitrite and an anti-foam agent.
- **Corrosion of Cooling System Metals** – For total corrosion protection, use the ASTM 1384 coupon corrosion test. The test was designed by the automotive and trucking industry to determine metal weight loss.
- **Scale** (seals in heat) – Use a corrosion inhibitor package which prevents and reduces scale buildup.
- **Green Goo** (phosphate and silicate dropout caused by using low-grade antifreeze) – Prevent by thoroughly cleaning the cooling system, using antifreeze with low phosphate and low silicate, and recommended dosage of antifreeze and water.

Alliance fully formulated SCA pre-charged heavy-duty coolant/antifreeze is specially formulated to prevent these types of costly repairs and problems!

FREQUENTLY ASKED QUESTIONS

"What is the advantage of buying re-charged antifreeze since it is more expensive than regular antifreeze?"

"When compared to the total cost of ready-to-use heavy-duty antifreeze for any diesel engine, pre-charged antifreeze is more cost effective. The cost of adding and measuring SCA is eliminated, along with errors that can occur in the mixing process. Alliance fully formulated SCA pre-charged coolant/ antifreeze can be mixed with ordinary tap water, eliminating the need for de-ionized water in initial and top-off situations."