

Super S[®] Fleet Antifreeze/Coolant

TECHNICAL PRODUCT INFORMATION



Super S Fleet Antifreeze/Coolant

Super S Fleet Antifreeze/Coolant is a diesel specific product designed for heavy duty cooling system applications. For many years, heavy duty operators were limited to low silicate automotive formulations requiring a separate Supplemental Coolant Additive (SCA). While this was effective, it resulted in mixing errors when the SCA was added at initial fill and top off. Super S Fleet Antifreeze/Coolant is pre-charged with SCAs to eliminate mixing errors.

Super S 50/50 Fleet Antifreeze/Coolant is a 50/50 volume mixture of the Fleet Antifreeze/Coolant with deionized water.

Both of these products contain bitterants for child and animal protection.

FEATURES/ BENEFITS

- Low silicate formulation provides aluminum compatibility for use in mixed fleet, gasoline and diesel applications.
- Pre-charged with high quality SCA
- Amine and phosphate free
- Formulated to protect cylinder liners from pitting in heavy duty applications
- Compatible with other traditional fully formulated coolants
- Compatible with standard heavy duty SCA coolant filters
- Contains bitterant for animal and child protection

APPLICATIONS

Super S Fleet Antifreeze/Coolant is a fully formulated engine coolant suitable for heavy duty gasoline and diesel engines found in on-road, off-road, marine, farm, mining and construction equipment. It provides optimum protection against freezing, boiling over, cavitation erosion, corrosion, and scaling for all heavy-duty cooling system applications. Because it is SCA pre-charged, Fleet Antifreeze requires no SCA at initial fill, and ensures proper chemistry at every top-off. It is recommended in diesel applications that the coolant be checked and SCAs replenished to comply with the engine OEM recommendations.

RECOMMENDATIONS OR APPROVALS/ LICENSES

Super S Fleet Antifreeze/Coolant and **Fleet 50/50 Antifreeze/Coolant** have been formulated to meet the following coolant specifications:

- ASTM D3306, D4985, D6210
- Caterpillar
- CID A-A-52624
- Cummins Bulletin 90T8-4
- Detroit Diesel 7SE298 ; 93K217
- Daimler Chrysler MS7170
- Ford ESE-M97B44-A
- Freightliner 48-22880
- General Motors 1825M, 1899M
- John Deere HS
- International (IT&E) CEMS B-1
- Kenworth RO26-170-97
- Mack Truck
- New Holland WSN-M97B18-D
- PACCAR
- Peterbilt 8502.002
- RP-329 Maintenance Council
- SAE J1034, J1941
- TMC RP 329
- Scania 6901
- Volvo Heavy Truck
- US Fed A-A-870-A

SPECIAL HANDLING, NOTICES OR WARNINGS

Take precautions when handling all chemicals. Specifically, the work place must be well ventilated, the skin protected safety glasses worn at all times. Avoid skin contact. These products contain bitterant, which reduces the chance of accidental ingestion. The products are based on monoethylene glycol and should be kept away from children and animals to prevent exposure.

Super S Fleet Antifreeze/Coolant has an approximate shelf life of 24 months without agitation. Concentrate product should be mixed prior to use. Always dispose of coolant in accordance with local, state and federal guidelines. These products are not to be used to protect the inside of portable water systems against freezing.

TYPICAL PROPERTIES

Super S® Fleet Antifreeze/Coolant			
<i>Properties</i>	<i>Test Method</i>	<i>Concentrate</i>	<i>Pre-Diluted 50/50</i>
Appearance	NA	Green	Green
Ash Content (% w/w)	ASTM D 1119	1.0 Max	1.0 Max
Freeze point as sold	ASTM D 1177	-18°C	-37°C
pH as sold	ASTM D 1287	10 - 11	10 - 11
Reserve Alkalinity (ml 0.1N HCL)	ASTM D 1121	4.0 Min	4.0 Min
Shelf Life (unused)	NA	2 years	2 years
Silicon as silicate (ppm - Max)	ICP	135	135
Specific Gravity (15.6°C)	ASTM D 1122	1.050 - 1.065	1.060 - 1.080

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.

TYPICAL FREEZE AND BOILOVER PROTECTION MIXING CHART

<i>Super S Fleet Antifreeze / Coolant As Sold</i>	<i>Freeze Point Protection* (°C)</i>	<i>Boilover Protection* (°C)</i>
50/50	-37	+129
33/67	-18	+124

*Using a 103.4 kPa pressure cap

PRODUCT NUMBERS

Super S Fleet Antifreeze/Coolant
 SUS 275 6/1 gallon
 SUS 276 55 gallon drum

Super S Fleet 50/50 Antifreeze/Coolant
 SUS 276-50 55 gallon drum