

SUPER COOLANT/ ANTIFREEZE

SUPER COOLANT/ANTIFREEZE™ is an innovative blend of organic acids and inorganic inhibitors formulated to provide extended life protection to all liquid cooled internal combustion engines. This coolant is based on Hybrid Organic Acid Technology (HOAT) and provides superior protection against corrosion. Super Coolant/Antifreeze™ is significantly more durable than conventional coolants and is compatible with other similar HOAT branded coolants. Super Coolant/ Antifreeze™ is an ethylene glycol-based formulation suitable for passenger cars, light trucks, and heavy duty vehicles in all industries including Transport, Marine, Earthmoving and Mining.

Super Coolant/ Antifreeze™ meets and/or exceeds the following standards:

ASTM D 3306 Specification: "Standard Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service" and the International standard ASTM D 4985 "Standard Specification for Low Silicate Ethylene Glycol Base Engine Coolant for Heavy Duty Engines.

Product Highlights

- Super Coolant/ Antifreeze™ is based on HOAT technology which offers superior engine protection for up to 3 years or 150,000 miles
- Prevents wet liner cavitation's erosion, and provides exceptional protection to aluminum surfaces
- Super Coolant/ Antifreeze™ is a silicate free formulation that prevents problems such as water pump weepage, solder bloom, and silica gel buildup in vehicle engines- yet still offers aluminum protection
- Offers corrosion protection in cooling systems containing metals such as copper, solder, brass, steel, cast iron, and aluminum
- Reduces maintenance costs since it is fully formulated - no additional SCA's required at initial fill or top-off

BENEFITS

- Formulated to meet ASTM standards.
- Silicate and Phosphate free
- Based on innovative HOAT formula

Specifications & Approvals

Super Coolant/Antifreeze™ is formulated to meet or exceed the performance requirements of the following antifreeze specification and/or recommended practices:

FORD ESE-M 97B18-C
FORD WSS-M97851-AI
CUMMINS Bulletin 3666132
Caterpillar EC-1
John Deere H-5
Chrysler MS-7170



PRODUCT DATA SHEET

Water Standards

Super Coolant/Antifreeze TM formulated with the finest quality of water as advised by the standard specification ASTM D 3306-08a mentioned below:

PROPERTIES	VALUE	ASTM TEST METHOD
Chlorides, ppm	25 (indx)	D 512, D 4327
Sulphate, ppm	50 (max)	D 516, D 4327
Total Hardness, ppm	20 (max)	D 1126
pH	7.5 – 11.5	D 1293
Iron, ppm	1 (max)	E 394

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE
Appearance	-	Fluorescent Red
Density @ 20 °C	g/cm3	1.125 – 1.130
Antifreeze Glycols mass	%	0-95%
Corrosion Inhibitors mass	%	< 5%
pH	-	8.0-10.9
Phosphates	ppm	0
Product Code		1103

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

