

PRODUCT DATA SHEET



SEN-NO-FREEZE ADVANCED FORMULA SYNTHETIC ANTIFREEZE

PRODUCT DESCRIPTION

SEN-NO-FREEZE provides optimum rust and corrosion protection of your cooling system. It is recommended for the cooling system of passenger cars, trucks, tractors, stationary equipment, air conditioning towers where recirculating water will be left in the system during winter. **SEN-NO-FREEZE** is formulated to keep pH balance of your cooling system and maintain adequate protection of rust and corrosion with minimum cost. It is harmless to rubber hoses, water pumps, and gasket material.

SEN-NO-FREEZE meets and exceeds requirements of the SAE, ASTM and CSMA. **SEN-NO-FREEZE** is compatible with all nationally distributed water filter elements except the chromate type and is completely miscible with water. **SEN-NO-FREEZE** contains biocides that will destroy living organisms in standing water.

An important property of **SEN-NO-FREEZE** is its ability to lower the freezing point of water. This results in its use in the formulation of anti-freeze mixtures. **SEN-NO-FREEZE** is about 90% as efficient as Ethylene Glycol in anti-freeze applications, but it is much less toxic. It is frequently used where toxicity is a consideration. **SEN-NO-FREEZE** is non-corrosive and non-toxic. It has a low vapor pressure and high flash point. It is easily handled in ordinary commercial conditions.

NOTE: Sentinel's® **SEN-NO-FREEZE** should not be used in concentrate form – 68% give maximum freezing protection -92°F (-69°C). A concentration range of 50 to 70% will increase it 25°F (-4°C), thus providing a significant margin of safety against boiling and overheating.

TYPICAL CHARACTERISTICS

Ash Content		1.2%
pH, 33% by Volume Solution		10.2
50% by Volume Solution		10.2
Reserve Alkalinity		14.6
Specific Gravity at 68°F/68°F		
33% by Volume Solution		1.045
50% by Volume Solution		1.073
Concentrated		1.124
Distillation Range Concentrated, Initial Boiling Point		242°F (117°C)
Dry Point (Final Boiling Point)		406°F (208°C)
Freezing Point and Boiling Point	<u>FP</u>	<u>BP</u>
33% by Volume Solution	-1.05°F (-18.3°C)	220°F (104°C)
40% by Volume Solution	-12.0°F (-24.4°C)	222°F (106°C)
50% by Volume Solution	-34.0°F (-36.7°C)	227°F (108°C)
60% by Volume Solution	-64.0°F (-53.3°C)	232°F (111°C)
70% by Volume Solution	-84.0°F (-64.4°C)	239°F (115°C)
Concentrated	- 5.0°F (-20.6°C)	323°F (162°C)
Flash Point (Tag Open Cup), 70% by Volume Solution	None	
Concentrated		246°F
Average Net Weight per Gallon @ 60°F (16°C)		9.4 pounds (4.26 Kg)
Appearance		Golden Yellow
PIN #		02120

TO ORDER OR FOR ADDITIONAL INFORMATION

QUALITY WITHOUT QUESTIONS!

SENTINEL LUBRICANTS CORP.
P.O. BOX 69-4240 MIAMI, FLORIDA 33269-1240
15755 NW 15TH AVENUE MIAMI, FLORIDA 33169-5603
PH.(305) 625-6400 (800)842-6400 FAX(305) 625-6565
WWW.SENTINELSYNTHETIC.COM