



Conventional Inhibitor 2797

Formulated for automobiles and light-duty gasoline/diesel powered trucks.

Penray 2797 is an advanced antifreeze inhibitor package featuring a low-silicate, phosphate-free formula to provide trouble-free service in autos and light-duty gasoline or diesel trucks.

Antifreeze/coolant made with glycol consistent with ASTM E1177-14 and Penray 2797 is compatible with specifications listed below. Penray 2797 offers easy, economical, efficient blending procedures. A concentrated formula, Penray 2797 is added to pure glycol at 2.2% volume to achieve the product specifications and benefits. Adding an additional 2% of water is optional to minimize product cost. The finished product will meet ASTM automotive (light-duty) specifications and may also be used in diesel engines with traditional supplemental coolant additive.

Store above 40° F (5° C) to prevent gelling.

Blending Instructions:	50/50	Pre-dilute coolant contains 1.1% by volume of 2797
	Concentrate	Contains 2.2% by volume of 2797



BENEFITS

- Excellent aluminum corrosion protection
- Cost effective alternative to ELC
- Single system technology offers the easiest method of manufacturing
- Lubricity agents extend water pump life
- Low silicate formulation
- Phosphate and amine free

SPECIFICATIONS

- ASTM D-4985
- ASTM D-3306
- TMC RP-323
- TMC RP-302C

Using and maintaining a properly formulated coolant is one of the most important aspects of engine maintenance.





Penray 2797 @2.2% in 95.8% Ethylene Glycol and 2% Water
ASTM D-3306 and D-4985 Specifications

Property	ASTM Test Method	ASTM Specification	Penray 2797 Performance
Specific Gravity @ 60 °F	D-1122	1.110 – 1.3145	1.126
Freezing Point °F (°C)	D-1177	50 Vol % in Distilled Water: -34 °F (-36 °C) Max or Lower	50 Vol % in Distilled Water: -39 °F (-39 °C)
Boiling Point ^A °F (°C)	D-1120	325 °F (163 °C) Min	350 °F (177 °C)
Effect: Automotive Finish	D-1882	No Effect	No Effect
Ash Content, Mass %	D-1119	5% Max	0.51%
pH: 50 Vol % in Water	D-1287	7.5 – 11	10.8
Chloride, PPM	By IC	25.0 Max	16
Water, Mass %	D-1123	5 Max	2.0
Reserve Alkalinity, ml	D-1121	Report ^B	6.
Foaming Volume, ml Break Time, seconds	D-1881	Break: 5 Sec. Volume: 150 ml	Break: 1.1 sec. Volume: 40 ml
Corrosion in Glassware Weight Loss, mg/specimen	D-1384		
Copper		10 Max	5
Solder		30 Max	13
Brass		10 Max	2
Steel		10 Max	3
Cast Iron		10 Max	1
Aluminum		30 Max	0
Simulated Service Weight Loss, mg/specimen	D-2570		
Copper		20 Max	8
Solder		60 Max	56
Brass		20 Max	1
Steel		20 Max	1
Cast Iron		20 Max	1
Aluminum		60 Max	0
Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces mg/cm ² /week	D-4340 ^B	1.0 Max	0.15
Cavitation Erosion Rating: Pitting, Cavitation or Erosion of the Water Pump	D-2809	8 Min	10

^A Some precipitate may be observed at the end of the test. This should not be cause for rejection.

^B Agreed value between supplier and customer

Product Weight: 585 lbs/53 gallons

