



ELC Corrosion Inhibitor 2798

Formulated for automobiles and light-duty gasoline powered trucks.

Penray 2798 is an organic acid technology (OAT) corrosion inhibitor system. This antifreeze inhibitor package features a nitrite-free, amine-free, phosphate-free and silicate-free formula providing trouble-free service.

Antifreeze/coolant made with glycol consistent with ASTM E1177-14 and Penray 2798 is compatible with GM Dexcool® brand antifreeze and other specifications listed below. It is also compatible with similar “orange” carboxylate inhibited antifreeze brands. Penray’s 2798 single system technology offers the easiest method of manufacturing an OAT engine coolant.

BENEFITS

- Same chemistry used by Ford as “first fill” and in VC-12 Engine Coolant Revitalizer
- Excellent aluminum corrosion protection, including water cooled four stroke aluminum engines
- 150,000 long life formulation
- Compatible with Dexcool® and other “orange” coolants
- Free of Nitrite, Amine, Phosphate and Silicate (NAPS-Free)
- Lubricity agents extend water pump life

SPECIFICATIONS

- **ASTM D-3306**
- **ASTM D-4985**
- **TMC RP-323**



Blending with Penray technology produces industry leading coolants. See back for test results.



General Information: 50/50: Pre-dilute coolant contains 3.25% by volume of 2798
Concentrate: Contains 6.5% by volume of 2798

Storage: Above 75° F (23.8° C) to prevent gelling.
Product Weight: 500 lbs./55 gallons



Penray 2798 @ 3.25% by volume in 50/50 Dilution			
ASTM D-3306 and D-4985 Specifications			
Property	ASTM Test Method	ASTM Specification	Penray 2798 Performance
Specific Gravity @ 60 °F	D-1122	1.110 – 1.145	1.120
Freezing Point °F (°C)	D-1177	50 Vol % in Distilled Water: -34 °F (-36 °C) Max or Lower	50 Vol % in Distilled Water: -38.8 °F (-39.3 °C)
Boiling Point ^A °F (°C)	D-1120	325 °F (163 °C) Min 226 °F (107.8 °C) Min	328 °F (164.4 °C) 226 °F (107.8 °C)
Effect: Automotive Finish	D-1882	No Effect	No Effect
Ash Content, Mass %	D-1119	5% Max	0.29%
pH: 50 Vol % in Water	D-1287	7.5 – 11	7.5 – 8.0
Chloride, PPM	By IC	25.0 Max	<2.0
Foaming Tendencies	D-1881	Break: 5 Sec Volume: 150 ml	Break: 3.3 Sec Volume: 75 ml
Corrosion in Glassware Weight Loss, mg/specimen	D-1384		
Copper		Less than 10mg	2 mg (5x better than test standard)
Solder		Less than 30mg	1 mg (30x better than test standard)
Brass		Less than 10mg	1 mg
Steel		Less than 10mg	0 mg (No corrosion detected)
Cast Iron		Less than 10mg	0 mg
Aluminum		Less than 30mg	0 mg
Simulated Service Weight Loss, mg/specimen	D-2570		
Copper		Less than 20mg	2 mg (10x better than test standard)
Solder		Less than 60mg	15 mg
Brass		Less than 20mg	5 mg
Steel		Less than 20mg	1 mg
Cast Iron		Less than 20mg	0 mg (No corrosion detected)
Aluminum		Less than 60mg	0 mg
Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces mg/cm ² /week	D-4340 ^B	1.0 Max	0.175
Cavitation Erosion Rating: Pitting, Cavitation or Erosion of the Water Pump	D-2809	8 Min	8

^A Some precipitate may be observed at the end of the test. This should not be cause for rejection.
^B This test is not required by ASTM D-4985; however, ASTM D-3306 requires it.

Penray significantly exceeds all industry test standards ensuring a quality product and satisfied customers