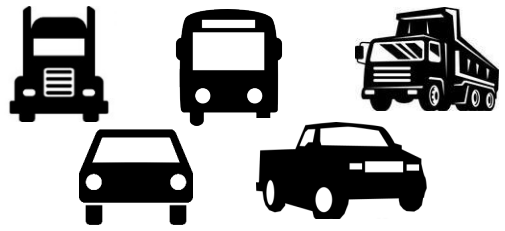




Hybrid Corrosion Inhibitor 2706



Nitrited Hybrid Organic Acid Technology (N-HOAT) for heavy-duty & automotive applications.

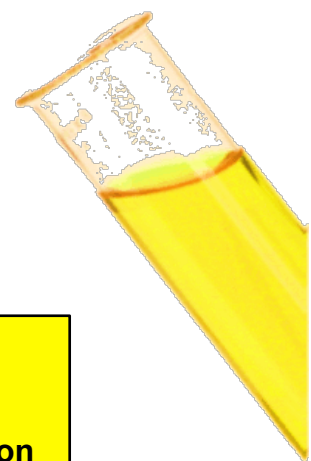
Penray 2706 is an advanced hybrid antifreeze/coolant inhibitor package that combines conventional low silicate and organic acid chemistry for cost effective, superior protection against corrosion. This hybrid technology inhibitor provides exceptional protection against wet sleeve liner pitting/cavitation and cooling system corrosion.

Antifreeze/coolant made with glycol consistent with ASTM E1177-14 and 2706 may be used in heavy duty diesel engines. Penray's 2706 single system technology offers the easiest method of manufacturing a N-HOAT antifreeze/coolant.

Store above 32°F (0°C) to prevent freezing.

Penray 2706 is typically yellow, but special colors are available.

Blending Instructions:	50/50	Pre-dilute coolant contains 1.6% by volume of 2706
	Concentrate	Contains 3.2% by volume of 2706



- BENEFITS**
- Up to 300,000 mile cooling system corrosion protection
 - Combines cost effectiveness of Conventional with long life protection from ELC technology
 - Outstanding aluminum protection
 - Wet sleeve liner protection against pitting and cavitation
 - Single system technology offers the easiest method of manufacturing
 - Lubricity agents extend water pump life

SPECIFICATIONS

- **ASTM D-6210**
- **ASTM D-3306**
- **TMCRP-364**
- **TMC RP-323**

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





2706 @ 1.6% in 50/50 Dilution

ASTM D-3306 Specifications

Property	ASTM Test Method	ASTM Specification	Penray 2706 Performance
Specific Gravity @ 60 °F	D-1122	1.065 Min	1.227
Freezing Point °F (°C)	D-1177	50 Vol % in Distilled Water: -34 °F (-37 °C) Max or Lower	50 Vol % in Distilled Water: -38 °F (-39 °C)
Boiling Point ^A °F (°C)	D-1120	325 °F (163 °C) Min 226 °F (108 °C) Min	346 °F (174 °C) 226 °F (108 °C)
Effect: Automotive Finish	D-1882	No Effect	No Effect
Ash Content, Mass %	D-1119	5 Max	0.7 %
pH: 50 Vol % in Water	D-1287	7.5 – 11	10.71
Chloride, ppm	By IC	25.0 Max	2 ppm
Water, Mass %	D-1123	5 Max	2.7 %
Reserve Alkalinity, ml ^C	D-1121	Report	7.0 ml
Foaming Tendencies	D-1881	Break: <5 Sec Volume: <150 ml	Break: 1.8 Sec Volume: 60 ml
Corrosion in Glassware Weight Loss, mg/specimen	D-1384		
Copper		10 Max	2 mg
Solder		30 Max	4 mg
Brass		10 Max	1 mg
Steel		10 Max	1 mg
Cast Iron		10 Max	1 mg
Aluminum		30 Max	0 mg
Simulated Service Weight Loss, mg/specimen	D-2570		
Copper		20 Max	-1 mg
Solder		60 Max	-1 mg
Brass		20 Max	0 mg
Steel		20 Max	0 mg
Cast Iron		20 Max	0 mg
Aluminum		60 Max	-1 mg
Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces mg/cm ² /week	D-4340 ^B	1.0 Max	0.0
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.

^C Value agreed between customer and supplier

Product Weight: 575 lbs/55 gallons