

**PRODUCT  
SPECIFICATION**



**ENVIRO 2000  
TYPE PG355**

Number of revisions: 1

Date of last revision: January 15, 2007

**Technical Information:**

**Physical state :** Liquid

**Appearance:** Viscous, Red, Color

**Application:** Universal non toxic antizreeze

Enviro 2000 is an advanced “fully-formulated” propylene glycol antifreeze inhibitor package that features a low-silicate, phosphate-free formula to provide trouble-free service in any vehicle and cooling systems with a high proportion of aluminum alloys. The product meets both ASTM heavy-duty and automotive specification and can be used in diesel engines without a pre-charge of (SCA) additional supplemental coolant additives.

Enviro 2000 meets and exceeds the following performance specifications:

ASTM D 3306, D6211, TMC RP 330, D 4985 and D5216

**Hall-Chem Code PG355**

**CAS-№:**

**WHMIS CLASSIFICATION:**

**Non regulated**

**PRIMARY CLASS :**

Non regulated

**SUBSIDIARY CLASS :**

**PACKING GROUP :**

**Physicochemical Specifications:**

Indices	Test Method	Limit Values	Typical Values
Specific Gravity @60°F (15.56 °C)	D-1122	1.035-1.065	1.05
Freezing Point 50 Vol % in Distilled Water: F° (C°)	D-1177	-26°F (-32°C) Max or Lower	-26°F (-32°C)
Boiling Point 50 Vol % in Distilled water F° (C°)	D-1120	Min 219°F (104°C)	221°F (105°C)
Effect: Automotive Finish	D-1882	No Effect	No Effect
Ash Content, Mass %	D-1119	5% Max	1.0%
pH: 50 Vol % in Water	D-1287	7.5 – 11.0	9.5-10.5
Chloride, PPM	By IC	25.0 Max	20.0
Water, Mass %/	D-1123	5 Max	3-5
Reserve Alkalinity, ml	D-1121	ReportB	6.8
Corrosion in Glassware	D-1384		

Weight Loss, mg/specimen			
Copper		10 Max	3
Solder		30 Max	7
Brass		10 Max	1
Steel		10 Max	0
Cast Iron		10 Max	2
Aluminum		30 Max	0
Simulated Service Weight Loss, mg/specimen	D-2570		
Copper		20 Max	2
Solder		60 Max	9
Brass		20 Max	2
Steel		20 Max	0
Cast Iron		20 Max	5
Aluminum		60 Max	3
Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces mg/cm <sup>2</sup> /week	D-4340C	1.0 Max	0.3
Foaming Volume, ml	D-1881	150Max	50ml
Break Time, seconds		5 Max	3 sec
Cavitation or Erosion of the Water Pump	D-2809	8 Max	<8
<sup>A</sup> Some precipitate may be observed at the end of the test. This should not be cause for rejection. <sup>B</sup> Agreed value between supplier and customer. <sup>C</sup> This test is not required by ASTM D-4985; however, ASTM D-3306 requires it.			
<b>Packing:</b>			
*Plastic Containers 1100 l and Metal Drums - 205 l * Plastic Containers of 4 l, 3.7 l and 1 l			
<small>These data are based on our current knowledge, experience and technical equipment. They do not relieve customers of carrying out their own tests and experiments, due to the great diversity of possible effects in processing and application of our products. They do not imply any legally binding assurances of certain properties and applications. The recipients of our products ought to abide by the existing legislation and regulations as well as possible reserved rights</small>			
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