



DESCRIPTION:

Liquid Intelligents 109 Hybrid Organic Carboxylate Radiator Inhibitor with Heat Dissipation Polymers (GREEN)

Liquid Intelligents 109 Contains Hybrid Organic Carboxylate C12-C12 Di Basic Acid Corrosion Inhibitors

CHARACTERISTICS:
Hybrid Organic Inhibitor Properties

The Hybrid Organic Inhibitor anti-corrosion additives being used in Liquid Intelligents 109 has been purpose manufactured to comply with the Australian standards. In the ASTM D1384 glassware test, incorporated in the Australian & New Zealand AS/AZ 2108.1.1997 performance standards, Cast Aluminium may loose up to -15mg of weight through corrosion and still pass. As shown in the attached typical test report these products when subjected to the same test only lost less than, 1mg. The Hybrid Organic Inhibitor anti-corrosion additive completely coats and protects the internals of the cooling system with a carboxylate film The carboxylate layer has the ability to chemically self repair if this film is subjected to erosion, thus giving longevity to the Coolants performance.

Heat Dissipation Polymers Properties

Heat dissipation polymers reduce the surface tension of the radiator water allowing for superior heat transfer properties when compared to virtually any other liquid cooling medium. Heat Dissipation Polymers reduce the frequency and size of vapour bubbles being generated in a cooling system by nucleate boiling. This allows greater thermal conductivity, which improves heat transfer from metal to liquid in the cooling system, thus cooling the engine more efficiently, especially in extreme conditions.

Available in **10,20,60 and 205** litre containers.

Liquid Intelligents 108 is used 50mls per litre of radiator water.

The performance and physical property data described for this product are presented in good faith and believed to be reliable; however, they should be considered as typical results and not as sales specifications.

LIQUID INTELLIGENTS PTY LIMITED
SYDNEY AUSTRALIA
DISTRIBUTED BY:



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Metal	AS/NZS 2108.1:1997 wt. loss mg (max)	Typical result
Copper	10	0.7
Solder	15	1.4
Brass	10	0.7
Steel	10	0.3
Cast iron	10	1.5
Cast aluminium	15	0.4

Glassware Corrosion Test (ASTM D 1384)

Simulated Service Test (ASTM D 2570)

Metal	AS/NZS 2108.1:1997 wt. loss mg (max)	Typical result
Copper	20 (max wt. loss)	7
Solder	60	1.4
Brass	20	5
Steel	20	4
Cast iron	20	8.5)
Aluminium	60	5.2

Water Pump Cavitation Erosion Test (ASTM D 2809)

Metal	GM 1825M (rating)	ASTM D 3306 (rating)	Typical result
Cast aluminium	8 min	8 min	1.9

Aluminium Heat Rejection Corrosion Test (ASTM D 4340)

Corrosion rate (mg/cm ² /week)	AS/NZS 21008.1:1997 (max allowable rate, mg/cm ² /week)
0.19	1.0