Product Data Sheet

austechemicals

45 Magnesium Street, Narangba QLD 4504
Phone: 07 3204 8511 | Fax: 07 3204 8522
www.auschem.com

AC-2 COOLANT

Conventional Rust & Corrosion Inhibitor Engine Type B Coolant under AS 2108.1:2004

AC-2 is a conventional rust & corrosion inhibitor (non glycol) coolant for automotive vehicle use that exceeds the requirements of AS 2108.1:2004

PRODUCT INFORMATION

AC-2 is an extremely effective, conventional formulation, water based corrosion and rust inhibitor. It contains a balance or corrosion inhibiting chemicals that ensures complete protection for all metals found in automotive cooling systems including alloys. This product exceeds the requirements of AS/NZS 2108.1- 2004 for coolant Type B.

AC-2 can be used in all automotive engines where anti boil/anti freeze protection is not recommended or required. It provides protection against rust, scale and sludge build up.

AC-2 contains anti-foaming chemicals ensuring excellent protection against cavitation's erosion. Austech is proud that this product has proven to be very effective over many years in the field. It contains no nitrite and therefore should not be used in heavy duty diesel applications where liner protection is required.

AC-2 has no deleterious effect on rubber hoses and gaskets.

AC-2 is only for use in automotive cooling systems where anti boil/anti freeze protection is not required. It is not recommended for use in heavy duty diesel

TYPICAL PROPERTIES

Appearance:	Dark Green Liquid
pH (5% Solution):	9.4 - 9.8
Specific Gravity:	1.10 - 1.12
Odour:	Slight
Flammable:	No
Boiling Point:	>100°C
Solubility:	Miscible
DG Class:	Non Dangerous Goods
Hazardous:	Yes

Non DG

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PRODUCT CODES / QUANTITIES

A/AC2/(500) | 500ml Plastic Bottle (Carton of 12)

A/AC2/1 | 1L Plastic Bottle (Carton of 12)

A/AC2/5 | 5L Plastic Jerry Can (Carton of 4)

A/AC2/20 | 20L Plastic Drum

A/AC2/200 | 200L Metal Drum

A/AC2/1000 | 1000L IBC

TEST RESULTS

ASTM D 1384 - GLASSWARE CORROSION TEST

	Specification AS 2108.1-2004	Typical Weight Loss AC2
Copper	10mg / coupon	0.9
Solder	10mg / coupon	1.1
Brass	10mg / coupon	0.7
Steel	10mg / coupon	0.3
Cast Iron	10mg / coupon	5.6
Aluminium	10mg / coupon	0.4

All weight losses are in milligrams per coupon and coupons weighed after chemical cleaning. Dilution rate 5% v/v AC2. There was no pitting attack present on any coupon.

ASTM D 4340 - ALUMINIUM HEAT REJECTION TEST

Specification AS 2108.1-2004

- Type B-Maximum Weight Loss-1.0mg / cm2 / week
- Test Result for AC2: Typical weight loss—0.2mg / cm2 / week

The test was carried out at 5% vol % AC2 in 75% vol % ASTM D 4340 corrosive water. Demineralised water was added to make up the test solution.

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TEST RESULTS

ASTM D 4340 - ALUMINIUM HEAT REJECTION TEST

Test	Result
Volume Increase	40m
Break Time	4 sec

ASTM D 1287 - pH

8.7 typical

COOLANT HOSE COMPATIBILTIY - SAE 120

Volume Change	+1.5%
Hardness Change	points 6
Tensile Strength Change	-5%
Elongation Change	-8%

ASTM D 92 - FLASH POINT

Greater than 100°C

ASTM D 1121 - RESERVE ALKALINITY

Concentrate	180 typical
5% Solution	5.9 typical