



May'2015

Product Data Sheet

Recochem OAT-Long Life Red Coolant 50% Ready to Use 5 years or 250,000km Protection

Product Information:

Suitable for vehicles using red/orange Cooling fluid.

Recochem Long Life Red Coolant 50% Ready to Use is based on Recochem proprietary **Carboxylic Acid Technology**. This product is free of silicates, phosphates, borates, nitrates, nitrites and amines.

Recochem Long Life Red Coolant 50% Ready to Use is fully compatible with General Motor's DEXCOOL™ automotive engine coolant. The main corrosion inhibitors in this product have shown little or no depletion from original levels during extensive laboratory and fleet testing.

Recochem Long Life Red Coolant 50% Ready to Use provides protection for **5 years or 250,000km**, whichever ever comes first.

Recochem Long Life Red Coolant is suitable for **passenger car's, 4WD's and light duty vehicles** made in Australia, Japan, Europe, Korea and North America.

Recochem Long Life Red Coolant 50% Ready to Use offers the following advantages:

- 5 year or 250 000km lifetime in automotive applications
- DEXCOOL™ compatibility
- Extended shelf life stability (5 years). No possibility of silicate drop-out or gel formation
- Phosphate free
- Compatible with other long life organic acid technology (OAT) based engine coolants free of silicate. For best performance it is recommended to flush the old coolant and replace entirely with Recochem LLC Red premixed Coolant

Recochem Long Life Red Coolant 50% Ready to Use is formulated using a powerful Corrosion Inhibitor package to ensure maximum protection for your engine.

Powerful Coolant for Powerful Protection

Sydney

65 Fairfield Road
Padstow NSW 2211
Phone: 02 8709 9600
Fax: 02 9791 5066

Melbourne

55-57 Miller Street
Epping VIC 3076
Phone: 03 9408 4144
Fax: 03 9408 4155



Adelaide

12 Moss Road
Wingfield SA 5013
Phone: 08 8222 1333
Fax: 08 8260 7883

Perth

4 Norlin Street
Kewdale WA 6105
Phone: 08 9352 3000
Fax: 08 9352 3033



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Recochem Long Life Red Coolant provides excellent value as an aluminium compatible, universal, long life engine coolant. We offer you and your customers continuing commitment to:

- Reliable supply
- Consistent high-quality product
- Unsurpassed technology
- Valuable technical service backup
- Education on safe use and handling

Recochem Long Life Red Coolant meets or exceeds the performance requirements of the following engine coolant specifications:

OEM/Agency	Specification
ASTM	D-3306 / D-4985, D6210
AS	2108-2004 for Type A Coolants
JIS	2234
SAE	J1034 / J1941
GM – DEXCOOL™**	GM 6277M (Sections 4.1 - 4.13)
Ford	WSS-M97B44-D (Sections 3.1 – 3.4)
Renault	Type D
VW	TL 774 D
Nissan	NES 5059 LLC
Peugeot	B71 5110

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Recochem Long Life Red Coolant 50% Ready to Use Performance Testing

1.

Coupon	ASTM D 1384-94		ASTM D 2570-94	
	Glassware Corrosion		Simulated Service	
Type	Test Results ¹	Max. Spec. ¹	Test Results ^{1,2}	Max. Spec. ¹
Copper	1.2	10	1.2	20
Solder	+0.1	30	4.2	60
Brass	0.3	10	0.9	20
Steel	+0.6	10	0.3	20
Cast Iron	1.9	10	0.4	20
Aluminium	+0.4	30	1.8	60

¹ Weight Loss/Coupon (mg)

² Aluminium radiator results

	Test Results ¹	Specification
ASTM D4340 Heat Rejecting Aluminum Corrosion (mg/cm²/week)	0.3 mg/cm ² /week	1.0 maximum
ASTM D2809 Aluminum Water Pump Cavitation- Erosion Corrosion Rating 100 hours 300 hours 500 hours	9 9 9	8 minimum
ASTM D7583 Deere Liner Cavitation Test	53	200

¹ Weight loss per coupon in milligrams (average for 3 tests)

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Recochem Long Life Red Coolant 50% Ready to Use Physical and Chemical Properties

Test	Performance	Test Method
pH	7.8 - 8.5	ASTM D 1287
Specific Gravity (15°C)	1.07 – 1.08	ASTM D 1122
Freeze Point	-37°C	ASTM D 1177
Foaming Properties – Volume (mL)	50 max.	ASTM D 1881
Foaming Properties – Break time (sec.)	5 max.	ASTM D 1881
Flash Point	116°C min.	ASTM D 92
Ash Content (% w/w)	2.5 max.	ASTM D 1119
Odour	Characteristic	
Colour	Red	
Shelf life	5 years	
Total Glycols (% w/w)	50.0 min.	
Chloride (ppm)	25 max.	ASTM D 3634
Silicon (ppm)	<10	ICP
Boron (ppm)	<10	ICP
Phosphorous (ppm)	<10	ICP
Bittering agent (ppm)	37	

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.

Notice: Because use conditions and applicable laws may differ from one location to another and may change with time, customer is responsible for determining whether products and the information in this document is appropriate for customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Recochem warranty is limited to the claims of product meeting stated specifications. It is the responsibility of the end user to determine product suitability as recommended in the Owner's Manual and to follow engine manufacturer's instructions.

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