

PROCOOL OAT MV 5050 RED PRODUCT DATA SHEET

Issue 3 Issue Date: July 2023

SECTION 1 PRODUCT INFORMATION

Suitable for vehicles using red/orange Cooling fluid.

Procool OAT MV 5050 Red is based on our manufacturers proprietary **Carboxylic Acid Technology**. This product is free of silicates, phosphates, borates, nitrates, nitrites and amines.

Procool OAT MV 5050 Red is a premixed 50% glycol engine coolant

Procool OAT MV 5050 Red 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.

Procool OAT MV 5050 Red provides protection for **5 years or 250,000km**, which ever comes first.

Procool OAT MV 5050 Red is suitable for **passenger car's, 4WD's and light duty vehicles** made in Australia, Japan, Europe, Korea and North America.

Procool OAT MV 5050 Red offers the following advantages:

- 5 year or 250 000km lifetime in automotive applications
- DEXCOOL™ ** compatibility
- Extended shelf life stability (8 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

Procool OAT MV 5050 Red

Procool OAT MV 5050 Red is formulated using a powerful Corrosion Inhibitor package to ensure maximum protection for your engine.

Procool OAT MV 5050 Red 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

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POWERFUL COOLANT FOR POWERFUL PROTECTION

Procool OAT MV 5050 Red meets or exceeds the performance requirements of the following engine coolant specifications:

OEM/ AGENCY	SPECIFICATION
ASTM	D-3306 / D-4985 / D6208
BS	BS 6580:2010
JIS	K2234
Chrysler	MS12106
GM - DEXCOOL™ **	GM 1825M & 1899M
Ford	WSS-M97B44-D
Renault	Type D
VW	TL 774 E
TMC	TMC RP365

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SECTION 2 PERFORMANCE TESTING

COUPON	ASTM D 1384-94		ASTM D 2570-94	
	GLASSWARE CORROSION		SIMULATED SERVICE	
Type	Test Results ¹	Max. Spec. ¹	Test Results 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

ASTM TEST PROCEDURE	TEST RESULTS ¹	SPECIFICATION
D4340-89 Heat Rejecting Aluminium Corrosion	0.3 mg/cm ² /week	1.0 Maximum
D2809 Aluminium Water Pump Cavitation-Erosion Corrosion (rating from 1 to 10)	9	8 Maximum

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

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SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

TEST	PERFORMANCE	TEST METHOD
pH	7.8 - 8.8	ASTM D 1287
Specific Gravity (15°C)	1.075	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
Appearance	Clear and transparent fluid	
Colour	Red	
Shelf life	8 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
Nitrate	<10	ICP

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. Procool 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.