

PROCOOL OAT MV - RED PRODUCT DATA SHEET

SECTION 1 PRODUCT INFORMATION

Suitable for vehicles using red/orange Cooling fluid.

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

Procool OAT MV - 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 - Red 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

Procool OAT MV - Red

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

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

OEM/ AGENCY	SPECIFICATION
ASTM	D-3306 / D-4985
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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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

¹Weight Loss/Coupon (mg)

²Aluminium 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

¹Weight 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 - 8.5	ASTM D 1287
Specific Gravity (15°C)	9	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

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.