

## BONNEY ENERGY RED COOLANT READY MIXED

### PRODUCT DESCRIPTION

**Red Coolant Ready Mixed** is a heavy duty diesel engine coolant premix, red in colour, superior, fully formulated Hybrid technology engine coolant. This hybrid technology coolant has the advantage of being more robust than both conventional and organic acid technology (OAT) engine coolants. This low silicate, phosphate and amine free product is recommended for use in automotive (aluminium compatible), light duty and heavy-duty diesel applications namely on-road truck, off-road, farm and marine. It provides excellent high temperature aluminium protection.

**Red Coolant Ready Mixed** does not require an initial charge of supplemental coolant additives (SCAs) upon initial fill in heavy duty diesel applications as the product is specially formulated to protect heavy duty diesel wet sleeve liners. SCA addition is application dependant and should only be added as and when required by the vehicle's OEM. This coolant is compatible with coolant filters and heavy duty diesel SCAs and coolant extenders.

### BENEFITS

Advantages of using **Red Coolant Ready Mixed**:

- Low silicate
- Phosphate and amine free
- OEM approved
- Hard water compatible
- No initial SCA requirement at initial fill
- Universal use, fully meets or exceeds standard industry requirements for automotive, light duty, and heavy duty diesel applications
- Product is compatible with both conventional and OAT coolants (although to get best performance [regarding issues such as extended life and time between SCA additions] it is best to flush the old coolant and replace with **Red Coolant Ready Mixed**)
- Product is compatible with standard SCAs and coolant extended
- Extended life 6 years, 12,000 hours or 1,000,000 km whichever comes first

### SPECIFICATIONS

**Red Coolant Ready Mixed** meets or exceeds the following demanding performance requirements:

- |                                       |                            |
|---------------------------------------|----------------------------|
| • ASTM D-3306, D-4985, D-6210         | • MAN 324                  |
| • Caterpillar EC1                     | • Mercedes Benz DBL 325    |
| • Cummins 14603                       | • MTU MTL 5048             |
| • Detroit Diesel 7SE 298              | • New Holland WSN-M97B18-D |
| • Daimler Chrysler MS 7170, MS 9769   | • PACCAR                   |
| • Ford ESE-M97B44A, ESE-M97B18-C      | • Peterbilt 8502.002       |
| • Ford WSS-M97B51-A1                  | • Perkins                  |
| • Freightliner 48-2288D               | • Saab-Scania 6901         |
| • GM 1825M, 1899M, GM Heavy Truck     | • SAE J1034, J1941         |
| • Hyundai                             | • TMC RP 329               |
| • JIS K2234                           | • Volvo Heavy Truck        |
| • Kenworth RO26-170-97                | • White Star               |
| • Landrover                           | • US Federal A-A-870-A     |
| • MACK Trucks                         | • Deutz 0199-99-1115/6     |
| • Kubota Extended Life Premix Coolant |                            |

**Red Coolant Ready Mixed** provides exceptional summer cooling and excellent freezing protection during winter. It provides excellent value as an aluminium compatible, universal, long life engine coolant.

Always consult your vehicle owner's manual for the manufacturer's recommendations.

## **PERFORMANCE TESTING**

Coupon	ASTM D-1384 Glassware Corrosion		ASTM D-2570 Simulated Service	
	Test Results <sup>1</sup>	Max. Spec. <sup>1</sup>	Test Results <sup>1,2</sup>	Max. Spec. <sup>1</sup>
Copper	1.7	10	1.1	20
Solder <sup>3</sup>	4.3	30	21.6	60
Brass	0.6	10	1.6	20
Steel	0.1	10	+0.8	20
Cast Iron	+0.8	10	+1.2	20
Aluminium	+0.3	30	+2.5	60

1. Wt. /loss coupon in mg. 2. Copper/brass radiator results. 3. Regular 70/30 lead on copper/brass coupons.

ASTM Test Procedure	Test Results	Specification
D4340 Heat Rejecting Aluminium Corrosion	0.16 mg/cm <sup>2</sup> /week	1.0 maximum
D2809 Aluminium Water Pump Cavitation-Erosion Corrosion (rating from 1 to 10)	10	8 minimum

Shelf-life stability: minimum 2 years from date of manufacture

## **TYPICAL PROPERTIES**

<b>Property</b>	<b>ASTM Method</b>	<b>Typical Results</b>
pH	D-1287	7.6 - 8.5
Reserve Alkalinity (mL)	D-1121	3 min.
Specific Gravity (15.6°C/60°F)	D-1122	1.065 - 1.075
Freeze Point	D-1177	-37°C/-34°F
Foam Volume (ml)	D-1881	50 max.
Break Time (sec)	D-1881	5 max.
Flash Point	D-92	116°C/240°F
Fire Point	-	120°C/248°F
Ash Content (% wt)	D-1119	2.5 max.
Odour	-	Characteristic
Colour	-	Luminescent Yellow
Total Glycols (% wt)	-	50.0 min.
Inhibitors and dye (% wt)	-	2.5 max.
Chloride ppm	D-3634	25 max.
Silicon (ppm)	ICP	93 max.

## **SAFETY AND HANDLING**

This product contains ethylene glycol and is a Schedule 5 poison.

Read the Safety Data Sheet (SDS) before opening the container and using the product.

**Available in:** 20Litres, 5 Litres and 1 Litre.

"Bonney Energy has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at <https://www.bonneyenergy.com.au>. Bonney energy takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at <https://www.bonneyenergy.com.au/>

**Item Code:** BERMIXG

**Effective:** February 2024

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