



# ULTRA RADOL PREMIUM LONG LIFE COOLANT CONCENTRATE

B L E N D E D T O I N T E R N A T I O N A L S T A N D A R D S

## GENERAL

*Ultra Radol Premium Long Life Coolant* offers long-term cooling system protection for all motor vehicles and is based on Organic Additive Technology (OAT), and heavy duty corrosion inhibitors.

The advantage of this product over conventional ethylene glycol type coolants is that the corrosion inhibiting package has minimal depletion over an extended period of time. This means that maximum corrosion and anti-freeze/anti-boil protection are maintained until the fluid is replaced at the recommended 350,000 kilometers or five years (whichever comes first).

## KEY BENEFITS

- 5 years or 350,000 km service life (whichever comes first).
- Guaranteed to suit every vehicle.
- Provides optimum protection against corrosion of all metals in vehicle cooling systems.
- Compatible with hoses and rubber fittings.
- Non-silicate, non-phosphate, non-nitrate and non-amine formula.
- Not aggressive to water pump seals as is often the case with silicate-based coolants.
- Performance of organic acid-based inhibitors does not diminish with time.

## TYPICAL PROPERTIES

	TEST METHOD	
Colour		Green
Specific Gravity: 60/60 <sup>o</sup> F	ASTM D1298	1.110 - 1.145
Boiling Point: 50% Solution (14 psi cap)	ASTM E1120	132 <sup>o</sup> C Max.
Freezing Point : 50% Solution	ASTM D97	-37 <sup>o</sup> C Min.
pH, 100% Solution	ASTM D1287	9.8 – 10.7
pH, 50% Solution	ASTM D1287	8.65
Reserve Alkalinity (mls. 0.1 HCL)	ASTM D1121	6ml Min.
Ash, % wt.	ASTM D1119	2.0% Max.
Flash Point , <sup>o</sup> F	ASTM D93	Min 230

### ***Ultra Radol Premium Long Life Coolant Approvals & Recommendations:***

- ASTM D 6210
- ASTM D 3306
- TMC of ATA RP 329B & 338
- Caterpillar EC-1
- Cummins 14603
- Cummins 3666286
- Chrysler MS-7170
- Detroit Diesel 7SE298
- Ford ESE M97-B44A/ESE-FM97B18-C
- GM 1825M/1899M
- John Deere
- Mack Truck
- Mazda MES MN 1210
- Navistar CEMS B1 Type III
- Nissan NES 5059 LLC
- SAE J814/J1034
- Toyota K2601G-1G
- Volvo

***Ultra Radol Premium Long Life Coolant*** should be used at 50% volume with clean soft demineralized water and would result in:

- Protection of cooling systems for all petrol engines as well as heavy and light duty diesel engines operating on-road, off-road and stationary conditions.
- Provides maximum protection against cavitation erosion of wet cylinder liners in diesel engines.

### **DIRECTIONS**

- Drain entire cooling system.
- Flush with clean tap water or quality flushing agent if rust is observed.
- Mix ***Ultra Radol Premium Long Life Coolant*** and water in a 1:1 ratio.
- Check your vehicle's handbook for the capacity of the cooling system.

### **HEALTH AND SAFETY**

***Ultra Radol Premium Long Life Coolant*** is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed.





# ULTRA RADOL

## PREMIUM LONG LIFE COOLANT

### PREMIX

B L E N D E D T O I N T E R N A T I O N A L S T A N D A R D S

#### GENERAL

*Ultra Radol Premium Long Life Coolant Pre-Mix* offers long-term cooling system protection for all motor vehicles and is based on Organic Additive Technology (OAT), and heavy duty corrosion inhibitors.

The advantage of this product over conventional ethylene glycol type coolants is that the corrosion inhibiting package has minimal depletion over an extended period of time. This means that maximum corrosion and anti-freeze/anti-boil protection are maintained until the fluid is replaced at the recommended 350,000 kilometers or five years (whichever comes first).

#### KEY BENEFITS

- 5 years or 350,000 km service life (whichever comes first).
- Guaranteed to suit every vehicle.
- Provides optimum protection against corrosion of all metals in vehicle cooling systems.
- Compatible with hoses and rubber fittings.
- Non-silicate, non-phosphate, non-nitrate and non-amine formula.
- Not aggressive to water pump seals as is often the case with silicate-based coolants.
- Performance of organic acid-based inhibitors does not diminish with time.

#### TYPICAL PROPERTIES

	TEST METHOD	
Colour		Green
Specific Gravity: 60/60 <sup>0</sup> F	ASTM D1298	1.110 - 1.145
Boiling Point: 50% Solution (14 psi cap)	ASTM E1120	132 °C Max.
Freezing Point : 50% Solution	ASTM D97	-37 °C Min.
pH, 100% Solution	ASTM D1287	9.8 – 10.7
pH, 50% Solution	ASTM D1287	8.65
Reserve Alkalinity (mls. 0.1 HCL)	ASTM D1121	6ml Min.
Ash, % wt.	ASTM D1119	2.0% Max.
Flash Point , °F	ASTM D93	Min 230

### ***Ultra Radol Premium Long Life Coolant Approvals & Recommendations:***

- ASTM D 6210
- ASTM D 3306
- TMC of ATA RP 329B & 338
- Caterpillar EC-1
- Cummins 14603
- Cummins 3666286
- Chrysler MS-7170
- Detroit Diesel 7SE298
- Ford ESE M97-B44A/ESE-FM97B18-C
- GM 1825M/1899M
- John Deere
- Mack Truck
- Mazda MES MN 1210
- Navistar CEMS B1 Type III
- Nissan NES 5059 LLC
- SAE J814/J1034
- Toyota K2601G-1G
- Volvo

***Ultra Radol Premium Long Life Coolant Pre-Mix*** is already diluted with 50% volume clean demineralized water and would result in:

- Protection of cooling systems for all petrol engines as well as heavy and light duty diesel engines operating in on-road, off-road and stationary conditions.
- Provides maximum protection against cavitation erosion of wet cylinder liners in diesel engines.

### **HEALTH AND SAFETY**

***Ultra Radol Premium Long Life Coolant*** is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed.

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