

Product Data Sheet

Glycool Coolants Range

Organic Acid Concentrates & Premix 50 Coolants (OAT)

Glycool coolants are produced in both concentrate and premix formulations for easy use and convenience. They are premium anti-freeze and anti-boil coolants based on carboxylate technology and contain no silicates, borates, phosphates, nitrites, nitrates or amines. Glycool coolants are suitable for use in both automotive and heavy-duty diesel engines. They contain a double layer inhibitor package, Glycool coolants are a true long drain coolant technology with exceptional anti-corrosion protection properties.

Glycool coolants protect all metals found in cooling systems and gives excellent protection against cavitation, erosion and wet-sleeve liner pitting. They significantly increase the operating life of water pumps and exceed corrosion performance levels such as Australian Standard AS:2108.1-2004 and numerous performance specifications set by OEM's including Ford & GMH.

Glycool coolants have a service life of up to 10 years / 800,000 kilometres in automotive applications and up to 6 years / 600,000 kilometres or 6,000*hrs in heavy duty diesels. This has obvious environmental advantages as a result of fewer coolant changes. They are completely safe on hoses and gaskets.



Summary of Benefits:

- Reduced coolant changes over an extended interval.
- Excellent hot and cold climate (year-round) thermal protection.
- Double corrosion layer protection giving ultimate protection
- Long service life of up to 10 years / 800,000 kilometres in automotive applications and up to 6 years / 600,000 kilometres or 6,000hrs in heavy duty diesels
- An ideal mixed fleet coolant
- Phosphate free formulation can be used with hard water

Product Code: **6512 Concentrate (Red)** **6502 50/50 Premix (RED)**
 6511 Concentrate (Green) **6501 50/50 Premix (Green)**

Product Size: **1L, 5L, 20L, 200L**

8.01.20 V1



**THE INNOVATIVE
AUSTRALIAN**

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Specifications:

Passenger Vehicle

AS 2108.1: 2004 Type A
ASTM: D3306, D4656, D4985 BS 6580
GM: 1825 M, 1899 M
Audi, Seat, Skoda Volkswagen: G12, G12+, G12++
Bugatti: TL-774-D, E, G
Daewoo: Ethylene Glycol Coolant
FIAT: Paraflu UP (9.55523)
Glysantin: G40
Honda: Longlife Type 2 All Season
Jaguar: WSS M97-B44-D
JIS: K2234 (Japan)
KSM: 2142 (Korea)
Lexus: Super LL Coolant (TSK2601G)
Mercedes Benz: 325.5, 325.6, 326.3 (Pre-mix)
Nissan: EG Long Life Coolant, NES5059LLC
Renault: EG Long Life Coolant D
Suzuki: Ethylene Glycol Coolant
VW: G12, G12+, G12++, TL-774-D, E, G

AFNOR: NFR 15-601
SAE: J1034, SAE: J1941
Alfa Romeo: Paraflu UP (9.55523)
Bentley: TL-774-D, E, G
Chrysler: MS-7170
Daihatsu: Ethylene Glycol Coolant
Ford: WSS M97-B44-D
Holden: GM 1825M, GM 1899M, GM 6277M
Hyundai: Ethylene Glycol Coolant
JASO: M325 (Japan)
Kia: Ethylene Glycol Coolant
Land Rover: Ethylene Glycol Coolant
Mazda: Ethylene Glycol Coolant, FL22
Mitsubishi: Long Life Coolant (ES-X64217)
Porsche: Part No. 000 043 203 78
Subaru: Super Long-Life Coolant
Toyota: Super LL Coolant (TSK2601G)

Heavy Duty Diesel Engines

AFNOR: NFR 15-601
ASTM: D3306, D4656, D4985
BS: 6580
Caterpillar: ELC
Caterpillar: 1 EO 535
Cummins: CES 14603
DAF: 742002
DAF: BTPS 606A
DAF: DCEA 615
Dennis Eagle Fleet guard
Freightliner: Fleet Charge Power cool
FUSO: SAE J814-C
Hino: Genuine LL Coolant
Isuzu: (GM6277M & HN2217)
IVECO: GM6038M
IVECO: AC9-50

Liebherr: MD 1-36-130
MAN: 324 SNF / 248
Mack: VCS Coolant
Mercedes Benz: Spec. 325.0, 325.5
Mitsubishi FUSO: Genuine Diesel LL Coolant
Saab Scania: 6901
SAE: J 1034 and
JASO: M 324
Toyota: K2601G
UD: Long Life Coolant (Nissan)
Volvo: VCS
Waukesha: 4-1974D
Western Star: ASTM D6210
IVECO: Paraflu 11
Kenworth: ALLCool
Komatsu: KES 07.892
Japanese: JIS K 2234

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Typical Characteristics:

Appearance	Green
pH (50:50 Vol/Vol)	7.7 – 8.6
Density	1.11 (concentrate)
Freezing Point (50% by Vol)	-36.2 °C
Boiling Point (50% by Vol)	108.2 °C
Reserve Alkalinity (mL)	4.6
Glassware Corrosion Test (ASTM D-1384)	Pass
Aluminium Corrosion Test (ASTM D-4340)	Pass
Water Pump Cavitation Test (ASTM D-2809)	Pass
Foaming Tendencies Test (ASTM D-1881)	Pass
Cummins Anti-Scale Test (AES 14603)	Pass

Metal Type	Allowable Weight Loss	Typical Weight Loss
Copper	10mg / coupon	0.00
Solder	30mg / coupon	0.05
Brass	10mg / coupon	0.01
Steel	10mg / coupon	0.00
Cast Iron	10mg / coupon	0.03
Aluminium	30mg / coupon	0.14

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website: www.royallubricants.com.au or by emailing info@royallubricants.com.au

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