



# UNIVERSAL TOP UP COOLANT PREMIX

## Coolant

Issue: September 2016

| PRODUCT CODE     | PACK SIZE | CTN / QTY |
|------------------|-----------|-----------|
| AFABPMXYELLOW001 | 1 Litre   | 6         |



# PENRITE

## Product Description

**Universal Coolant Top Up** is an Type A Anti-Freeze Anti-Boil Coolant Premix that can be mixed with **ALL COOLANT and INHIBITOR TYPES** including those that contain ethylene glycol and long life, low depletion rate inhibitors. It is specifically designed to not discolour existing coolant\*

## Application

**Universal Coolant Top Up** is suitable for the cooling systems of all types of passenger vehicles, 4WD's, light & heavy commercial vehicles, agricultural machinery, stationary engines and motorcycles. It can be used to top up Organic Acid Technology (OAT) & Hybrid Organic Acid technology (HOAT) Type A anti-freeze anti boil coolants as well as Type B inhibitor only solutions. It is safe to use wherever anti-freeze / anti-boil / anti-corrosion properties are required with all coolant types and brands.

**Universal Coolant Top Up** is light yellow tinted and will **NOT DISCOLOUR** existing coolant if not mixed at greater than 10% of system capacity. There is no limitation on the amount of Universal Coolant Top Up that can be used in the cooling system and it can be mixed with all coolants types regardless of colour.

**Universal Coolant Top Up** is a 50% concentration formulation and is ready to use directly from the container. It is pre-mixed with de-mineralised water and can be poured directly into the cooling system. No further dilution is required. It can be used as a complete service refill or top up. Penrite recommend that a 50% concentration level should be maintained for maximum, performance and longevity of the coolant and protection of the cooling system.

## Instructions for use

- Allow cooling system to cool sufficiently before proceeding
- Remove radiator cap or overflow reservoir cap
- Add contents directly to the cooling system via the radiator or overflow reservoir
- Replace radiator or reservoir cap securely.

## Freezing Point to Boiling Point

-38°C to +109°C

## Product Benefits

- Compatible with all coolant types.
- Will not discolour original coolant\*
- Compatible with plastics, rubbers and seals.
- Protects all internal surfaces from corrosion, including aluminium.
- Long life coolant & inhibitor pack
- Phosphate free formulation
- Ready to use – no mixing

*\*Universal coolant will not discolour existing coolant provided that it is not mixed at greater than 10% of system capacity*



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## Manufacturer Specifications

|   |                           |                            |
|---|---------------------------|----------------------------|
| AS2108-2004 Type A  | ASTM D3306/4985           | Bentley                    |
| BS 6580   | Caterpillar EC-1          | Cummins 85T8-2/CESMG03     |
| CUNA NC 956-16  | Chrysler MS-9769          | Deutz AG 0199-99-1115/2091 |
| Federal Standard O-A-548D   | Fiat 9.55523              | Ford M97-B44A/B44D/51A,    |
| German Army TL6850-0038/1   | GM 6277M/1825M/1899M      | Holden HN2217/HN2043       |
| Jaguar M97-B44D   | Jenbacher TA 1000-0201    | JI Case JIC 501            |
| JIS K2234 (Japan)   | JCB STD 0088              | JASO M325 (Japan)          |
| John Deere JDM H24  | Komatsu KES 07.892        | Komatsu KES 07.892         |
| KSM 2142 (Korea)  | Leyland BLS.22.AF.01      | Liebherr MD 1-36-130       |
| Mack 014 GS 17009   | Navistar B1 Type III      | Mitsubishi ES-X64217       |
| MTU MTL 5048  | Renault 41-01-001Q Type D | Nissan NES M5059           |
| Opel B 040 1065, QL 13D100  | SAE J1034                 | Rover BLS.22.AF.01         |
| SAAB GM6277   | TMC RP329                 | Scania T1.02-98 0813       |
| Toyota Long Life TSK2601G   | UNE 26.361.88             | Vauxhall B 040 1065        |
| Volvo VCS   |                           |                            |
| VW, Skoda, Seat TL-774-C (G11) VW, Audi, Skoda, Seat, Lamborghini TL 774-D/F (G12/G12+) |                           |                            |

## Vehicles

|            |              |             |                        |             |
|------------|--------------|-------------|------------------------|-------------|
| Alfa Romeo | Aston Martin | Audi        | Bentley                | BMW         |
| Caterham   | Cherry       | Chrysler    | Citroen                | Dodge       |
| Daihatsu   | Ferrari      | Fiat        | Ford                   | FPV         |
| Great Wall | Holden       | HSV         | Honda                  | Hyundai     |
| Infinity   | Jaguar       | Jeep        | Kia                    | Lamborghini |
| Lancia     | Land Rover   | Lexus       | Lotus                  | Maserati    |
| Mazda      | McLaren      | MG          | Mini                   | Mitsubishi  |
| Morgan     | Nissan       | Opel        | Peugeot                | Porsche     |
| Proton     | Renault      | Rolls Royce | Rover                  | SAAB        |
| Skoda      | SsangYong    | Subaru      | Suzuki                 | Toyota      |
| Vauxhall   | Volkswagen   | Volvo       | <i>And many others</i> |             |

## Other

|                        |          |             |           |           |
|------------------------|----------|-------------|-----------|-----------|
| John Deere             | JI Case  | Cummins     | Chevrolet | Sacnia    |
| JCB                    | Komatsu  | Mack        | Deutz     | Jenbacher |
| Leyland                | Navistar | Caterpillar | Liebherr  | MTU       |
| <i>And many others</i> |          |             |           |           |



## Typical Data

|                       |        |
|-----------------------|--------|
| Colour                | Yellow |
| Density at 20°C, kg/L | 1.077  |
| Glycol Content, g/L   | 537    |

Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect performance. A MSDS is available on request

