

# Viva Energy Mixed Fleet Long Life Advanced Coolant

## HOAT-MEG Pre-Diluted 50/50

### Description

**Viva Energy Mixed Fleet Long Life Advanced Coolant, Pre-Diluted 50/50 is a premium anti-freeze, anti-boil and anti-corrosion, fully formulated Hybrid technology ethylene glycol coolant product.**

The product is a new and improved Hybrid Organic Acid Technology (HOAT) - coolant boosted with borate, nitrite, nitrate, molybdate and silicate inorganic corrosion inhibitors. It is a low silicate, phosphate-free, and amine-free coolant.

It is suitable for all heavy-duty applications without the need for supplemental coolant additives (SCAs).

Viva Energy Mixed Fleet Long Life Advanced Coolant, Pre-Diluted 50/50 is ready-to-use and requires no further dilution.

### Performance Features

- Ethylene Glycol based formulation.
- Pre-diluted with demineralized water for improved stability, freeze protection, and boil protection.
- Nil Amines, 2-Ethylhexanoic (2-EH) and Phosphates.
- Compatible with conventional and OAT coolants.
- Provides excellent wet sleeve liner cavitation protection without an initial charge of SCA or coolant extender.
- Provides corrosion protection to all coolant system metals including copper, solder, brass, steel and cast iron.
- It provides excellent high temperature aluminium protection.
- Extended life coolant delivering up to 20,000 hours, 8 years or 1,250,000km in heavy duty applications; without the need for supplemental coolant additives (SCA's) or chemical water filters under normal operating conditions. Coolant should be checked at regular intervals after 6,000 hrs or 500,000kms to ensure it is in good condition and only topped up with fully formulated Premium HD 4G+ Pre-Diluted 50/50 coolant.

### Applications

- Viva Energy Mixed Fleet Long Life Advanced Coolant, Pre-Diluted 50/50 is designed for heavy-duty diesel applications namely on-road truck, off-road mining, construction & power generation, farm and marine applications.
- Specifically formulated to protect cylinder liners from pitting in heavy duty applications. The low silicate level also provides aluminium compatibility for use in both light and heavy duty applications, making it highly suitable for mixed fleets (light duty as well as heavy duty gasoline and diesel engines).
- This heavy duty coolant provides exceptional summer cooling and excellent freezing protection during winter. It should be used without further dilution.
- Compatible with conventional and OAT coolants. To get the best performance, flushing the old coolant and replacing with Viva Energy Mixed Fleet Long Life Advanced Coolant, 50/50 coolant is recommended.
- Advice on applications not covered here may be obtained from your Viva Energy Technical Help Desk

### Health, Safety and Environment

Viva Energy Mixed Fleet Long Life Advanced Coolant, Pre-Diluted 50/50 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from [www.vivaenergy.com.au](http://www.vivaenergy.com.au) or the Viva Energy Technical Help Desk.

**Protect the Environment.** Take used product to an authorised collection point. Do not discharge into drains, soil or water.

**Product Usage Recommendations.** This product is already pre-diluted and does not need any further addition of water. Adding too much water to the coolant system without sufficient corrosion inhibitor will create corrosion performance issues in any engine coolant system. This product is to be applied directly into cooling systems.

**Shelf Life.** When stored under cover – away from moisture and direct sunlight – this product should be suitable for use for up to two years after manufacture.

## Specifications / Approvals

Suitable for use where the following specifications are quoted:

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| <ul style="list-style-type: none"> <li>• ASTM D3306, D6210, D4985</li> <li>• Case</li> <li>• Caterpillar</li> <li>• Chrysler</li> <li>• Cummins</li> <li>• CNH</li> <li>• DAF</li> <li>• Daimler Chrysler</li> <li>• Detroit Diesel</li> <li>• Deutz</li> <li>• Dodge</li> <li>• Fiat</li> <li>• Ford HD Trucks</li> <li>• Foton</li> <li>• Freightliner</li> <li>• GE Jenbacher</li> <li>• General Motors Heavy Truck</li> <li>• Goldwind</li> <li>• GWM</li> </ul> | <ul style="list-style-type: none"> <li>• Hino</li> <li>• Hitachi</li> <li>• Hyundai</li> <li>• International</li> <li>• Isuzu</li> <li>• Iveco</li> <li>• JIS K2234</li> <li>• KS M 2142</li> <li>• Kenworth</li> <li>• Kobelco</li> <li>• John Deere</li> <li>• Komatsu</li> <li>• Liebherr</li> <li>• Land Rover</li> <li>• Mack Truck</li> <li>• MAN</li> <li>• Mercedes-Benz</li> <li>• MTU</li> <li>• MWM</li> </ul> | <ul style="list-style-type: none"> <li>• Navistar</li> <li>• New Holland</li> <li>• Nissan</li> <li>• PACCAR</li> <li>• Peterbilt</li> <li>• Perkins</li> <li>• RAM</li> <li>• Renault</li> <li>• SAE J1941</li> <li>• Scania</li> <li>• Suzlon</li> <li>• Thermo King</li> <li>• TMC RP 329</li> <li>• Vestas</li> <li>• Volvo</li> <li>• Waukesha</li> <li>• Wartsila</li> <li>• Yanmar</li> <li>• Yutong</li> </ul> |
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For further information regarding equipment approvals and recommendations contact the Viva Energy Technical Help Desk.

## Typical Physical Characteristics

Properties	Methods	HD Premium 4G+ Pre-Diluted 50/50
Colour		RED / GREEN
pH	ASTM D1287	9.0 – 10.0 typ.
Reserve Alkalinity	ASTM D1121	6.1
Specific Gravity	@20°C ASTM D1122	1.07 - 1.08 typ.
Freeze Point (as sold)	ASTM D1177	- 31°C typ.
Boiling Point	ASTM D1120	106.5°C or 127.5°C with 15PSI cap pressure
Ash Content	% m ASTM D1119	2.5 max.
Water Content	% w/w ASTM D1123	50 typ.

These characteristics are typical of current production. Whilst future production will conform to Viva Energy's specification, variations in these characteristics may occur.

## Technical Help Desk

Phone	1300 134 205
Email	technicalhelpdesk@vivaenergy.com.au