

## Product Data Sheet

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PETRONAS

# PETRONAS Tutela Coolant LL-H

Designed to be the Fluid Technology Solutions of choice providing excellent protection and longer fluid life for Vehicle cooling systems

### Description and Applications

PETRONAS Tutela Coolant LL-H is a premium performance concentrated Long-Life Coolant delivering optimized performance and component durability for vehicles cooling systems. Formulated with Mono-Ethylene Glycol enhanced with special Phosphate enhanced Organic Technology corrosion inhibitors (P-OAT), free of nitrites, silicates, borate and amines. It provides excellent protection against overheating, frost and corrosion.

### Benefits

PETRONAS Tutela Coolant LL-H enhances your vehicle availability while significantly reducing your operating costs through:

- **Long Life Technology** to extend the fluid service life, preventing from deposit formation
- **Extended Cooling System Life** driven by:
  - o Excellent corrosion resistance to protect metal-based components
  - o Enhanced protection against freezing when outside temperature is down to -37°C (-34°F)\*
  - o Enhanced protection against boiling in case of circuit temperature up to 129°C (264°F)\*

Provides outstanding Driving Experience through:

- **Excellent heat transfer properties to prevent overheating**

\*When blended with 50% water and with 1 bar (15 psi) radiator cap

### Approvals, Specifications and Recommendations

#### Specifications:

- ASTM D 3306 Type III
- JIS K 2234:2018

#### Performance Level:

- Honda, Acura, Infiniti, Nissan, Subaru, Suzuki

Note: Always consult your owner's manual to check recommendation for your specific vehicle

### Typical Physical Data

| Parameters                          | Method      | Unit              | Typical Value |
|-------------------------------------|-------------|-------------------|---------------|
| Color                               | -           | -                 | Blue          |
| Relative Density @15°C              | ASTM D 1122 | g/cm <sup>3</sup> | 1.128         |
| pH, 50% vol in DI water             | ASTM D 1287 | -                 | 7.7           |
| Reserve alkalinity                  | ASTM D 1121 | ml                | 9.5           |
| Boiling point, 50% vol in DI water  | ASTM D 1120 | °C                | 109           |
| Freezing point, 50% vol in DI water | ASTM D 1177 | °C                | -37           |

All technical data are provided for reference only. These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

#### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refers to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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