

# Product Data Sheet

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PETRONAS

## PETRONAS Arbor Freeze -38

For Tireless Machinery, The Best Fluid Technology for Your Daily Work

For all the agricultural and construction equipment hard workers, machineries are the lifeblood of their business. Ensuring that they are always working tirelessly and efficiently is the Number One priority. Machinery need the best fluid technology to last longer while working, especially when operating under severe conditions.

### Description and Applications

PETRONAS Arbor Freeze -38 is a protective antifreeze and coolant fluid ready for use for the engines of tractors, farm machines and earthmoving machinery.

PETRONAS Arbor Freeze -38, being ready for use, is used as it is and its formulation provides the utmost performance in terms of antifreeze protection and cooling.

PETRONAS Arbor Freeze -38 removes the heat generated by combustion and ensures protection against freezing down to temperatures of  $-38^{\circ}\text{C}$ .

### Benefits

PETRONAS Arbor Freeze -38 enhances your vehicle availability while significantly reducing your operating costs through:

- **Extended Cooling System Life** driven by:
  - o Enhanced corrosion protection to protect metal-based components
  - o Protection against freezing when outside temperature is down to  $-38^{\circ}\text{C}$  ( $-36^{\circ}\text{F}$ )
  - o Protection against boiling in case of circuit temperature up to  $110^{\circ}\text{C}$  ( $230^{\circ}\text{F}$ )
  - o Good elastomer and plastic compatibility for a longer component's life

### Approvals, Specifications and Recommendations

#### Recommendations:

- ASTM D 6210 Type 3-FF
- NH 900 B
- MS-1710
- MAT 3620
- SDFG EC-1599A

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle

### Typical Physical Data

Parameters	Method	Unit	Typical Value
Color	-	-	Blue Green
Relative Density @15°C	ASTM D 1122	g/cm <sup>3</sup>	1.085
pH, 50% vol in DI water	ASTM D 1287	-	7,7
Reserve alkalinity	ASTM D 1121	ml	85
Boiling point	ASTM D 1120	°C	109
Freezing point	ASTM D 1177	°C	-38
Glassware corrosion test	ASTM D1384		PASS

All technical data is 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 refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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