



Omkami Antifreeze Coolant

Omkami Antifreeze Coolant -45°C Pre-Diluted Antifreeze/Coolant is a fully formulated, long-life organic acid technology (OAT) designed for use in both automotive and heavy-duty diesel engine coolant applications. It is 'ready to use' and is free of silicates, phosphates, borates, nitrites and amines. Omkami Antifreeze Coolant -45°C Pre-Diluted Antifreeze/Coolant contains inhibitors to protect engine parts against corrosion, contamination and wear including copper, solder, brass, steel, cast iron and aluminium parts. This product requires no further dilution prior to use.

Performance Features and Benefits

- Long life organic acid technology (OAT)
When used in diesel engine applications, it is suitable for up to 600,000 km, 4 years, or 8,000 hours — whichever comes first. In automotive applications, the product remains effective for up to 5 years or 250,000 km, whichever comes first.
- Free from silicates, phosphates, borates, nitrites and amines.
When used in long-haul or heavy-duty applications, there is no initial need to charge the fresh coolant with SCAs.
- This product is fully compatible with other similarly formulated organic additive technology long life engine coolants. It is also widely compatible with other silicate-free engine coolants.

TYPICAL APPLICATIONS

- The product is free engine coolant, suitable for light duty automotive and heavy-duty diesel & CNG engines found in on-road, off-road, marine, agricultural, mining and construction equipment.
- It also provides excellent wet sleeve liner cavitation protection without the use of nitrites. The product is recommended for use in mixed fleet, gasoline and diesel applications.
- The product is ready to use and requires no further dilution prior to use.

Health & Safety

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Lian Hoe Leong & Brothers representative.

Protect the Environment

Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

**Extended Shelf Life**

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to two years after manufacture.

Specifications and Approvals

Omkami Antifreeze Coolant -45°C Pre-Diluted Antifreeze/Coolant is recommended for use where the following industry and OEM specifications are required:

ASTM	D3306/D6210
BS	6580
CAT	EC-1
Cummins	CES 14603
Chrysler	MS12106
FORD	WSS-M97B44-D1/WSS-M97B51-A
GM	1825M/1899M/6277M
Komatsu	AFNAC
JIS	2234
MAN	324 NF
Mercedes	MB 325.3/326.3
MTU	MTL 5049
Nissan	NES 5059 LLC
Peugeot	B71 5110
Renault	Type D
Scania	
Volvo	
VW/Audi	TL-774 F

Typical Physical & Chemical Characteristics

	Performance	Test Method
Appearance, visual colour	Blue/Green, Clear & Bright	Visual
Specific Gravity (15.6°C)	1.070-1.085	ASTM D 1122
Freeze Point (as is)	-45°C	ASTM D 1177
Boiling Point	108.5 °C min.	ASTM D 1120
pH (as is)	7.0-9.0	ASTM D 1287
Reserve Alkalinity (ml 0.1N HCL)	2.3 Min	ASTM D 1121
Chloride (ppm)	25 Max	ASTM D 3634
Water Content (%w/w)	42.0-43.0	ASTM D 1123
Aluminum Water Pump Cavitation – Erosion Corrosion Rating	9	ASTM D2809
Deere Liner Cavitation Test	52	ASTM D7583