

POWER COOL®



GF9443-Si Glycol Free Premix Coolant

Power Cool GF9443-Si Premix Coolant is a green coloured, proprietary silicated organic acid technology (Si-OAT) water-based engine coolant which is free of Ethylene Glycol, 2EH (2-Ethylhexanoic Acid), phosphate, borate, nitrate, nitrite and amines. It offers an extended service life and is designed for both heavy and light duty diesel engines. It has been specially formulated with silicon (as silicate) which provides proven protection of alloy cooling system components against the effects of cavitation.

It has been proven across a range of industrial applications including mining, power generation, rail and marine as well as light and heavy duty on-highway trucks and is an excellent choice when an application demands a glycol free solution, such as mixed fleet underground mining applications where glycol may not be permitted.

Power Cool GF9443-Si Premix Coolant contains inhibitors to protect engine components against corrosion, including copper, solder, brass, steel, cast iron and aluminium. It also provides excellent wet sleeve liner and water pump cavitation protection and is compatible with the flux found in controlled atmosphere brazed (CAB) radiators.

It is recommended for use where an extended service interval is required and is ideal for engine cooling systems containing light metals. **Power Cool GF9443-Si** Premix Coolant is miscible and compatible with other similarly formulated glycol free coolants, which allows for a straightforward changeover process.

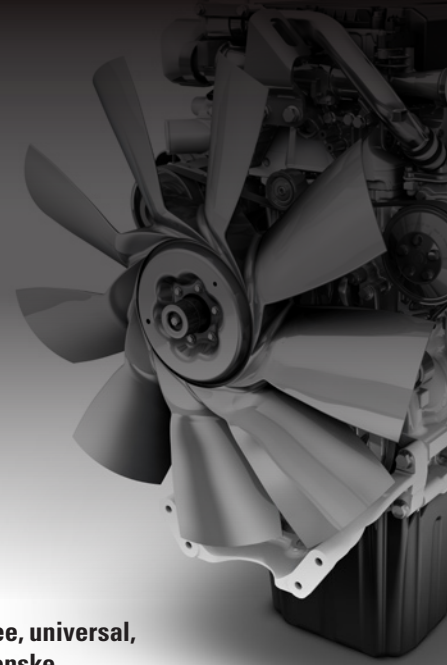
Additionally, **Power Cool GF9443-Si** Premix Coolant provides environmental benefits given it does not contain any glycol.

Power Cool GF9443 Coolant Premix offers the following advantages:

- Glycol free
- Nitrite, amine and phosphate (NAP) free
- Manufactured and tested in Australia
- No initial SCA requirement at initial fill
- Compatible with CAB radiators
- Universal use, fully meets or exceeds standard industry requirements for automotive, light duty, and heavy-duty diesel applications with proven protection of light metal components against the effects of cavitation.
- Product is compatible with OAT coolants (although to get best performance it is best to flush the old coolant and replace with Power Cool GF9443-Si Coolant Premix)
- Product is compatible with standard SCAs and coolant extenders
- Extended life 4 years, 12,000 hours or 1,000,000 km (whichever comes first)*

*Always refer to the OEM maintenance procedures for recommendations regarding drain intervals.

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Power Cool GF9443-Si Coolant Premix coolant provides excellent value as a glycol free, universal, long life engine coolant suitable for mixed fleet applications. Along with this value, Penske Australia offers you the following advantages:

- Reliable supply
- Consistent high-quality product
- Unsurpassed technology
- Valuable technical service backup
- Education on safe use and product management to reduce operating costs

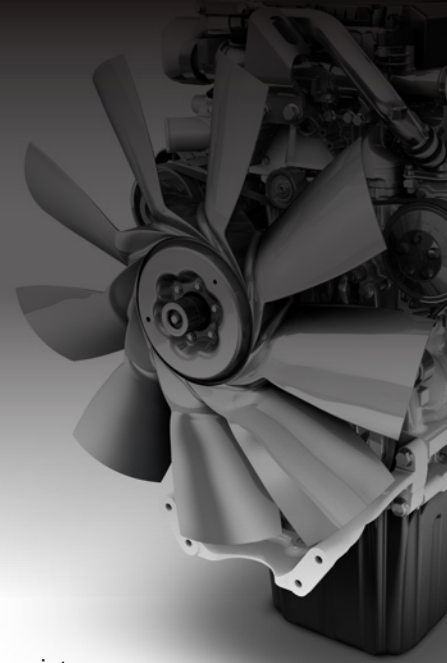
For more information on Power Cool Engine Coolants for your application contact your local Penske branch or representative.

Power Cool GF9443- Si Premix Physical and Chemical Properties

Characteristic³	Performance	Test Method
Colour	Green	Visual
pH	7.5 – 9.5	ASTM D-1287
Specific gravity (15.6°C/60°F)	1.005 – 1.015	ASTM D-1122
Foam Volume (mL)	150 max.	ASTM D-1881
Foam Break time (sec)	5 max.	ASTM D-1881
Chloride (ppm)	25 max.	ASTM D-3634
Silicon as silicate (ppm)	90 max.	ASTM D-6130
Boron (ppm)	< 10	ASTM D-3082
Phosphorous (ppm)	< 10	ASTM D-1287
Shelf Life	5 years minimum	
Total Glycols (wt. %)	0%	
Shelf Life	5 years minimum	

³ These characteristics are typical of current production. While future production will conform to Power Cool specification, variations in these characteristics may occur.

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Warranty

When added as an initial fill and properly maintained in accordance with engine manufacturer's maintenance recommendation, this product will provide an in-service life of up to 1,000,000 km, 12,000 hours or 4 years, whichever comes first. While deleterious effects are not expected to be significant, mixing with other OAT coolants may result in a lower than expected lifetime. Avoid mixing with conventional coolants.

Handling, Storage & Shelf Life

Product should be stored in original container or appropriate dedicated tank or vessel. Although temperature fluctuations will not adversely affect coolant, unused coolant should be stored at ambient conditions.

Under typical conditions and when the container integrity is maintained, product can be stored for up to 5 years without any adverse effect on quality. Product should be agitated before use.

Health, Safety & Environment

For detailed information and recommended practices related to Health and Safety, please refer to the appropriate Safety Data Sheet (SDS). New or spent coolant is never to be disposed of into a septic system, storm sewer or onto the ground. Always dispose coolant in accordance with local, provincial/ state and federal guidelines. Contain any spilled coolant and contact appropriate authorities on appropriate clean-up instructions.

For more information on Power Cool for your application please contact Penske Australia on 1300 688 338

NOTICE: This product is shipped in compliance with applicable laws and regulations regarding classification, packaging, shipping and handling. The performance and physical property data described for this product are typical results not sale specifications, except where maximum or minimum is indicated. Refer to Safety Data Sheets for further information.

Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether product and the information in this document are appropriate for their use and for ensuring that their workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Manufacturer's warranty is limited to the claims of product meeting stated performance specifications. It is the responsibility of the end-user to determine product suitability as recommended in the owner's manual and to follow engine manufacturer's instructions.

Distributed and recommended by



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POWERCOOL IS A TRADEMARK OF DETROIT