



Freon™ 134a

Automotive Refrigerant

Product Information

Freon™ 134a (HFC-134a) is a non-ozone depleting, hydrofluorocarbon (HFC) refrigerant. It was originally designed as a replacement refrigerant for R-12, an ozone depleting, chlorofluorocarbon (CFC). Freon™ 134a is currently the global automotive, original equipment standard refrigerant used in mobile air conditioning systems. It can also be used to retrofit existing R-12 mobile air conditioning systems, often found in classic cars.

The Freon™ brand, which is available only from Chemours, represents a time-tested line of refrigerants that has been manufactured and packaged in the United States for more than 85 years. Users of Freon™ refrigerants can trust these reliable, safe, and affordable refrigerants to consistently help meet their automotive cooling needs.

Recently, counterfeit R-134a has been found in many countries, with detrimental effects. By utilizing Freon™ 134a from Chemours, users can rest assured that their refrigerant has been approved for use in automotive cooling, and will meet all quality and safety requirements.

ASHRAE

ASHRAE #: R-134a

ASHRAE and ISO817 Safety Classification: A1 (low toxicity, nonflammable)

Applications

- Mobile air conditioning systems
- Retrofit of existing R-12 mobile air conditioning systems

Benefits

- Non-ozone depleting
- Low toxicity, nonflammable refrigerant
- Made and packaged in the USA
- Global standard for mobile air conditioning

Phaseout Schedule

While HFC-134a has been the standard mobile air conditioning refrigerant, it will not meet the upcoming EU F-Gas Mobile Air Conditioning (MAC) Directive. HFC-134a is also scheduled to be removed from the U.S. EPA list of acceptable refrigerants for new light duty vehicle air conditioning systems effective with the 2021 model year. On top of these regulations, Freon™ 134a cannot provide the same level of CO₂ credit under the U.S. EPA/NHTSA Greenhouse Gas Emission Standards that Opteon™ YF (HFO-1234yf) can.

Consult the specific regulations in your country or region regarding potential phaseout, and consider switching to Opteon™ YF to meet the automotive industry's long-term need for sustainable cooling.

For more information, on the Freon™ family of refrigerants, or other refrigerant products, visit freon.com or call (800) 235-7882.

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own risk. Because conditions of use are outside our control, Chemours makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe, any patents or patent applications.

© 2015 The Chemours Company FC, LLC. Freon™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

C-10345 (10/15)