

## PRODUCT DESCRIPTION

Frogen® 134a (HFC-134a) has been developed by Frogen® Ltd. to serve as one of the key substitutes for CFCs and HCFCs. Frogen® 134a is a long-term, environmentally friendly, non-ozone depleting substitute. As a refrigerant, it possesses similar energy efficiency and capacity characteristics as Frogen® 12 and has an intrinsically low toxicity. Frogen® 134a is the alternative refrigerant of choice in automobile air-conditioning. It may be used in residential and commercial refrigeration, as well as commercial, and industrial air-conditioning.

## PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	:	1,1,1,2-Tetrafluoroethane
Chemical Formula	:	CH <sub>2</sub> FCF <sub>3</sub>
Molecular Weight	:	102.02 g/mol
Form	:	Liquefied Gas
Color	:	Colorless
Odor	:	Weak
pH	:	Neutral
Melting Point	:	-101 °C (-150 °F)
Boiling Point	:	-26.2 °C (-15.1 °F)
Vapor Pressure	:	5,915 hPa at 21.1 °C (70.0 °F)
Vapor Density	:	14,713 hPa at 54.4 °C (129.9 °F)
Density	:	1.2 g/cm <sup>3</sup>
Relative Vapor Density	:	3.5
Water Solubility	:	1.5 g/l

## APPLICATIONS

Alternative Refrigerant of Choice for R-12

Automotive Industry – Car A/C

Refrigeration Applications

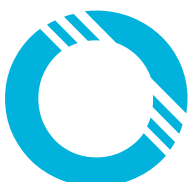
Supermarket Cases

Walk in Coolers

Home Refrigerators

Centrifugal Chillers

For more information please contact our Technical Support Team



### CONTACT

W: [www.frogen.co.uk](http://www.frogen.co.uk)

E: [sales@frogen.co.uk](mailto:sales@frogen.co.uk)



## PACKING

Disposable Cylinders  
( 13.6 Kg Per Cylinders)

Ton Tanks  
(1000 Kg Per Drum or Torpedoes)

ISO Tankers  
( ISO Tank Containers 20,000 Kg)