



R407C

R407C is a HFC blend used as a replacement for R22 in air-conditioning systems and medium-temperature refrigeration applications.

Chemical Formula

CH_2F_2 , $\text{CF}_3\text{-CHF}_2$, $\text{CF}_3\text{-CH}_2\text{F}$

CAS no.

22 - 24%

24 - 26%

51 - 54%

• R32 **75-10-5**

• R125 **354-33-6**

• R134a **811-97-2**

UN no.

3340

ASHRAE Safety Class.

A1

Purity

99.5%

Hazard Classification



Class 2.2
Non-Flammable,
Pressurized,
Liquified Gas

Applications



Commercial
Refrigeration &
Air Conditioning



Industrial
Refrigeration



Domestic
Air Conditioning



*Other
(Retrofit of existing
R22 installations,
water chillers)

GWP (Global Warming Potential) & ODP (Ozone-Depleting Potential)



GWP

1 774



ODP

Non-Ozone Depleting

Physical Properties

Appearance	Clear liquefied gas
Odour	Ethereal odour
Boiling Point (°C)	-43.627
Vapour Pressure (kPa_abs)	880.34 @ 20 °C
Vapour Density (Air = 1)	31.24 @ 20 °C
Relative Density (Water =1)	1.16 @ 20 °C
Auto-Ignition Temperature (°C)	704
Molecular weight (g/mol)	86.204

Packaging Available in

Disposable Cylinder	✓
Returnable Cylinder	✓

Compatible Oils

Polyolester

Precautions

Read label before use.

Asphyxiant; avoid confined spaces

Liquified gas can cause frostbite

Gas is under pressure

Release of gas into the atmosphere could harm the environment