



R417A

R417A (Isceon MO59) is a HFC blend retrofit refrigerant for R22 in commercial air-conditioning systems and medium temperature commercial refrigeration.

Chemical Formula

$\text{CHF}_2\text{-CF}_3, \text{CH}_2\text{FCF}_3, \text{C}_4\text{H}_{10}$

CAS no.

40 - 50%

• R134a **811-97-2**

N/A %

• R125 **354-33-6**

1 - 10%

• Butane **106-97-8**

UN no.

1078

ASHRAE Safety Class.

A1

Purity

99.5%

Hazard Classification



Class 2.2
Non-Flammable,
Pressurized,
Liquified Gas

Applications



Commercial
Refrigeration &
Air Conditioning



Domestic
Air Conditioning

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



GWP

2 346



ODP

Non-Ozone Depleting

Physical Properties

Appearance	Clear liquefied gas
Odour	Light ethereal odour
Boiling Point (°C)	-39.067
Vapour Pressure (kPa_abs)	774.55 @ 20 °C
Vapour Density (Air = 1)	33.97 @ 20 °C
Relative Density (Water =1)	1.17 @ 20 °C
Auto-Ignition Temperature (°C)	Not Available
Molecular weight (g/mol)	106.75

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