



## R406A

R406A is a HCFC blend used as a replacement for R12. R406A is being scrutinized due to its high ozone depleting potential and is being phased out.

### Chemical Formula

CHClF<sub>2</sub>, CClF<sub>2</sub>CH<sub>3</sub>, C<sub>4</sub>H<sub>10</sub>

### CAS no.

- |     |                             |
|-----|-----------------------------|
| 55% | • R22 <b>75-45-6</b>        |
| 41% | • R142b <b>75-68-3</b>      |
| 04% | • Iso-butane <b>75-28-5</b> |

### UN no.

1078

### ASHRAE Safety Class.

A2

### Purity

99.5%

## Hazard Classification



Class 2.2  
Non-Flammable,  
Pressurized,  
Liquified Gas

## Applications



Commercial  
Refrigeration &  
Air Conditioning



\*Other  
(Low & Medium  
Temperature  
Refrigeration )

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



**GWP**

1 943



**ODP**

0.057

### Physical Properties

Appearance	Colourless liquid gas
Odour	Not available
Boiling Point (°C)	-32.519
Vapour Pressure (kPa_abs)	497.82 @ 20 °C
Vapour Density (Air = 1)	17.09 @ 20 °C
Relative Density (Water =1)	1.12 @ 20 °C
Auto-Ignition Temperature (°C)	-632 to -635
Molecular weight (g/mol)	89.857

### Packaging Available in

Disposable Cylinder	✓
Small 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