



HCFC-142b

HCFC-142b has mainly been used as a blowing agent for polystyrene and polyethylene foam. It is also used as an aerosol propellant and refrigerant. In some cases, it is used as a mixture with another fluorocarbon.

HCFC-142b is a substance regulated under the Ozone Layer Protection Law. As required by an administrative directive, production of HCFC-142b for use as a blowing agent will finish at the end of 2009 in Japan*.

* The use of HCFC-142b that you already have will not be forbidden. Production and import for blowing agent will be banned.

1. General properties

| | HCFC-142b |
|---|-----------------------------------|
| Chemical name | 1-chloro-1,1-difluoroethane |
| Chemical formula | CH ₃ CClF ₂ |
| Boiling point (°C) | -9.8 |
| Saturated vapor pressure (MPa, 25°C) | 0.34 |
| Range of flammability (vol% in air) | 7.8-16.8 |
| Ozone depletion potential (ODP) * ¹ | 0.065 |
| Global warming potential (GWP) * ² () * ³ | 2310 (1800) |

*1 Based on the Montreal Protocol.

*2 Integrated time of 100 years based on IPCC 4th Report 2007.

*3 Integrated time of 100 years based on IPCC 2nd Report 1995.

2. Handling method and safety information

HCFC-142b is liquefied high-pressure gas. Read the Material Safety Data Sheet (MSDS) before use. Dangerous or hazardous reactions do not take place under normal conditions.

3. Packaging specifications

High-pressure gas rental cylinder 10 kg, 20 kg, 100 kg, 1 ton, etc.

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