

Cosutin Industrial CO., Limited

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HCFC-141b

GENERAL DESCRIPTION

HCFC-141b can be used for cleaning metals, PCBs, electronic components, precision machinery components, optical components, etc. It is also used as a stain remover of cloth and as a base component of various blend solvents.

HCFC-141b is a substance regulated under the Ozone Layer Protection Law. HCFC-141b has also been used as a polyurethane foam blowing agent, solvent, aerosol.

SPECIFICATIONS

Appearance :	Colourless and not turbid
Purity, %	≥99.7%
Moisture%	≤0.005
Evaporation residue %	≤0.01
Acidity %	≤0.0001
VINYLDENECHLORIDE +DICHLOROACETYLENE%	≤0.02

PROPERTIES

HCFC-141b

CAS Number: 1717-00-6

Colour: Colourless

Smell: no smelling

Appearance: Colourless and not turbid

Chemical name: 1,1-dichloro-1-fluoroethane

Chemical formula: CH₃CCl₂F

Boiling point (°C): 32.1°C

melting point: -103.5°C

Saturated vapor pressure (MPa, 25°C): 0.08

Range of flammability (vol% in air): 6.5-15.5

Flash Point: none

Specific Gravity: 1.25@50F/10 °C

Vapor Pressure: 10 psia @68F/20°C

Vapor Density: 4.0g/L

Ozone depletion potential (ODP) *1: 0.11

Global warming potential (GWP) *2: 725

*1 Based on the Montreal Protocol.

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

Handling method and safety information

HCFC-141b is liquid at ordinary temperature. Read the Material Safety Data Sheet (MSDS) before use. Dangerous or hazardous reactions do not take place under normal conditions.

Hazard pictogram(s):



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Risk Codes:

R52 Harmful to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

R59 Dangerous to the ozone layer.

Safety Description:

S59 Refer to manufacturer / supplier for information on recovery / recycling.

S61 Avoid release to the environment. Refer to special instructions / safety data sheets.

Packaging specifications

Pail can (content: 22 kg), drum (content: 250 kg), 1-ton container, etc.