

# Cosutin Industrial CO., Limited

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## HFC-152a

### GENERAL DESCRIPTION

In addition to serving as a refrigerant, 1,1-difluoroethane(HFC-152a) is also commonly used in gas duster (commonly thought of as "canned air"), and many consumer aerosol products, especially those subject to stringent VOC requirements.

HFC-152a is a substance regulated under the Ozone Layer Protection Law. HFC-152a has also been used as a polyurethane foam blowing agent, aerosol, detergent and PVDF.

### SPECIFICATIONS

|                        |                           |
|------------------------|---------------------------|
| Appearance :           | Colourless and not turbid |
| Purity, %              | ≥99.9%                    |
| Moisture%              | ≤0.001                    |
| Non-volatile residue % | ≤0.01                     |
| Acidity %              | ≤0.0001                   |

### PROPERTIES

#### HFC-152a

CAS Number: 75-37-6

Colour: Colourless

Odor : slight, ether-like

Appearance: Colourless and not turbid

Chemical name: 1,1-difluoroethane

Chemical formula: C<sub>2</sub>H<sub>4</sub>F<sub>2</sub>

Boiling point (°C): -25 °C, 248 K, -13 °F

melting point: -117 °C, 156 K, -179 °F

Range of flammability (vol% in air): 3.9-16.9 vol%

Flash Point: < -50 °C (< -58 °F)

Vapor Pressure: 5,960 hPa at 25 °C (77 °F)

Vapor Density: 2.4 at 25 °C (77 °F) (Air = 1.0)

Density: 0.90 g/cm<sup>3</sup> at 25 °C (77 °F) (as liquid)