

DIFLUOROMETHANE (CH₂F₂)

Synonyms : 1,1 Difluoroethane, Ethylidene fluoride, Genetron-152A
Freon - 152A, R 32; Methylene difluoride; Methylene fluoride; Carbon fluoride hydride; Halocarbon R32



AIR LIQUIDE

Gas Description

Difluoromethane is a colourless, flammable and slightly toxic gas that has a slightly ethereal odour and can become corrosive when wet. Difluoromethane has a gas density at STP 2.798 kg/m³.

Typical applications :

Aerosol - propellant - refrigerant
Organic synthesis intermediate
Low temperature solvent

Transport Regulations :

UN Number : 1030
Shipping Name : 1,1 DIFLUOROMETHANE
Class : 2.1: Flammable gases
CAS Number : 75-10-5
Hazchem : 2WE

[Click here](#) for MSDS
[Click here](#) for more information

Physical Properties

Chemical symbol : CH₂F₂
Molecular weight : 52.02
Specific gravity (Air=1) : 2.3
Specific volume (m³/kg) : NDA
Critical temperature : 78.4°C
Boiling point : -51.7°C

Melting Point : -137°C
Critical pressure (bar) : 57.85
Major hazards : Fire
Toxicity : NDA
Flammability Range : 3.7 - 18%
Odour : Disagreeable

[Click here](#) for more information

Application

INDUSTRY

Electronics

APPLICATION

Difluoromethane is used in plasma etching of silicon layers.

[Click here](#) for more information

Difluoromethane

Gas

Typical impurities
(ppm molar)

Cylinder information

Cylinder Size

Valve Connection

Pressure (kPa)

Contents (m³)

Available Upon Request
Call For Supply Information

Recommended Equipment

For further information [Contact](#) the specialty gases representative in your region.