→ Fact Sheet

Hexafluoro-1,3-butadiene 2.6

Purity, %: ≥ 99.6

Impurities, ppm:

N_2	≤ 500
O_2	≤ 100
H_2O	≤ 1000
other halogenated HC	≤ 1500

Specified data are ideal volume shares (=mole shares)

Conversion factors:

m³ gas (15°C, 1 bar)	l liquid at T_b	kg
1	9.49	6.78
0.2	1	1.4
0.15	0.71	1

Identification:

Cylinder shoulder colour/ Circular colour strip at bundles	Yellow RAL 1018
Label:	Hexafluoro-1,3-butadiene 2.6
Valve outlet:	W 21.80 x 1/14 LH, DIN 477 No. 1

Properties: under pressure liquefied gas, highly flammable

AGW value:	ppm
Chemical symbol:	C_4F_6
Molar mass:	162.03 g/mol

Relative density based on dry air (15°C, 1 bar):	5.6
Critical temperature:	412.75 K (139.6 °C)
Boiling point at 1.013 bar (T_s):	279.15 K (6 °C)

Applications: Dry etching of semiconductor materialsMixtures of hexafluoro-1,3-butadiene with other gases in defined compositions.

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