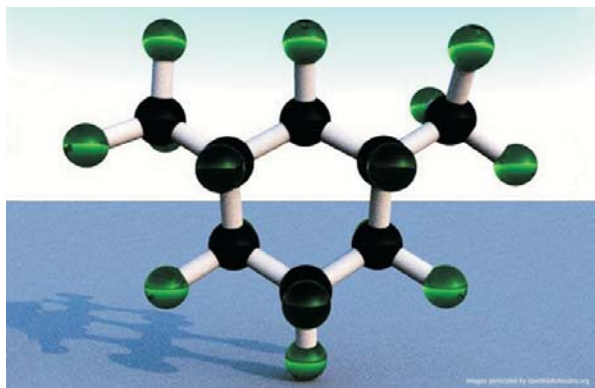




F2 Chemicals Ltd



FLUTEC™ PP6

Synonyms: Perfluorodecalin

CAS Number: 306-94-5

Description & Characteristics

Flutec PP6, C10F18, is a fully-fluorinated, odourless, colourless, non-volatile liquid containing a mixture of cis and trans isomers and has the following characteristics:

- Non-toxic¹ - LD50 > 2000mg/kg (Rat)
- Thermally stable to >400°C
- Excellent chemical resistance
- Non flammability

Applications

Although Flutec PP6 is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PC6 has an indefinite shelf life if properly stored in its original sealed container. Safety data sheets are available on request.

Safety & Handling

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Typical Physical Properties

Boiling Point °C	142
Pour Point °C	-8
Molecular Weight	462
Density, kg/l	1.917
Viscosity (kinematic), mm ² /s	2.66
Viscosity, (dynamic), mPas	5.10
Surface Tension, mN/m	17.6
Vapour Pressure, mbar	8.8
Heat of vaporisation at Boiling Point, kj/kg	78.7
Oxygen solubility ml per 100ml	49
Refractive index, n _{D20}	1.313

* Estimated value

Temperature dependant properties are quoted at 25°C unless otherwise stated. The above typical physical properties, in no way form or represent product specification.