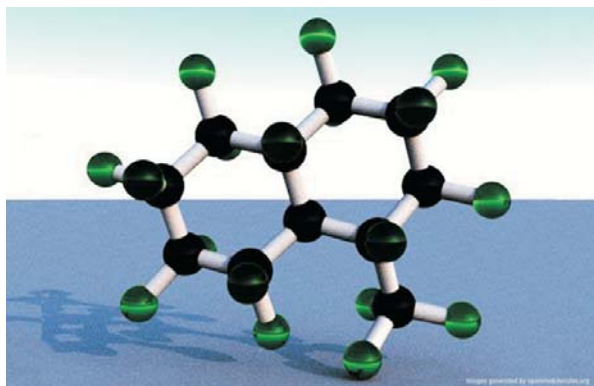




F2 Chemicals Ltd



Perfluoromethyldecalin - FLUTEC™ PC9

Synonyms: Perfluoromethyldecalin

CAS Number: 51294-16-7

Description & Characteristics

Flutec PP9, C11F20 is a fully-fluorinated, odourless, colourless, non-volatile liquid with the following characteristics:

- Compatibility with most construction materials
- Excellent chemical and thermal stability
- Non-flammability
- Practically non-toxic¹

Applications

Flutec PP9 finds many applications including as a fluid for testing and cooling in the electronics industry, as a fluid for vapour phase sterilisation of medical equipment and various energy transfer applications.

Safety & Handling

Although Flutec PP9 is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PP9 has an indefinite shelf life if properly stored in its original sealed container. Safety data sheets are available on request.

Typical Physical Properties

Boiling Point °C	155	Viscosity	0.90 mPa s
Pour Point °C	-70	Kinematic Viscosity	0.52 mm ² /s
Molecular Weight	512	Surface Tension	13.0 mN/m
Density, kg/l	1.972	Critical Temperature	474.8 K
Viscosity (kinematic), mm ² /s	3.25	Critical Temperature	201.6°C
Viscosity, (dynamic), mPas	1.2600	Critical Pressure	16.20 bar
Specific Heat	311.00 kJ/kg/K		

* 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.