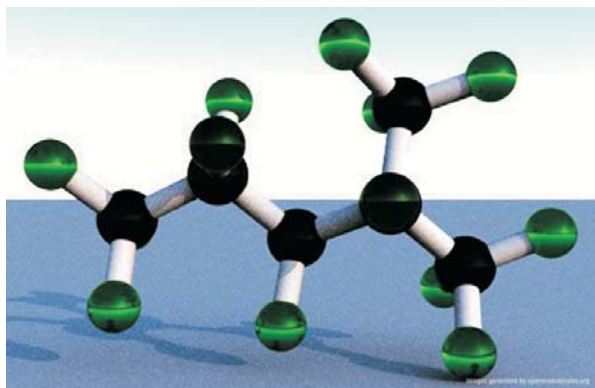




## F2 Chemicals Ltd



### FLUTEC™ PP1

**Synonyms:** Perfluoro-2-methylpentane / Perfluoro-i-hexane

**CAS Number:** 355-04-4

### Description & Characteristics

Flutec PP1, C<sub>6</sub>F<sub>14</sub>, is a fully-fluorinated, odourless, colourless liquid with the following characteristics:

- Compatibility with most construction materials
- Excellent chemical and thermal stability
- Non flammability
- Practically non-toxic<sup>1</sup>

### Applications

Flutec TG-PFH is used in tagging and tracing applications.

### Safety & Handling

Although Flutec PP1 is considered biologically and chemically inert, good laboratory practice should be observed when handling. Flutec PP1 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	57	Specific Heat, kj/kg °C	1.09
Pour Point °C	-90	Critical Temperature, °C	177.9
Molecular Weight	338	Critical Temperature, oK	451.1
Density, kg/l	1.682	Critical Pressure, bar	18.34
Viscosity (kinematic), mm <sup>2</sup> /s	0.39	Critical Volume, l/kg	1.582
Viscosity, (dynamic), mPas	0.656	Resistivity ohm.cm	>10 <sup>13</sup>
Surface Tension, mN/m	11.1	Dielectric Breakdown Strength kV/mm 50Hz	>16
Vapour Pressure, mbar	294	Thermal Conductivity, mW/m °C	65.3
Heat of vaporisation at Boiling Point, kj/kg	78.7	Expansion Coefficient, ?-1(0?)	0.00159
Specific Heat, kj/kg °C	1.09		

\* Estimated value

The above typical physical properties, in no way form or represent product specification.