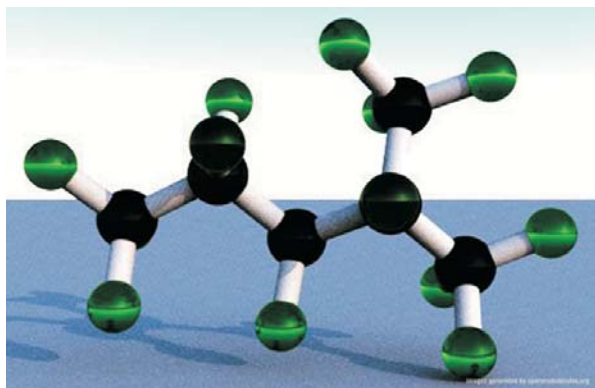




F2 Chemicals Ltd



Perfluoro-2-methylpentane

Synonyms: Perfluoro-2-methylpentane

CAS Number: 355-04-4

Description & Characteristics

Perfluoro-2-methylpentane, C₆F₁₄, 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-toxic¹

Applications

Perfluoro-2-methylpentane is used in tagging and tracing applications.

Safety & Handling

Although Perfluoro-2-methylpentane is considered biologically and chemically inert, good laboratory practice should be observed when handling. Perfluoro-2-methylpentane 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 ² /s	0.39	Critical Volume, l/kg	1.582
Viscosity, (dynamic), mPas	0.656	Resistivity ohm.cm	>10 ¹³
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.